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THESIS

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A CASE ANALYSIS OF NAVY TRANSPORTATION
POLICY CHANGES AND THEIR EFFECT ON
INVENTORY LEVELS AT OVERSEAS LOCATIONS

by

William M. Blasczyk

December, 1989

Thesis Advisor:

Alan W. McMasters

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A Case Analysis of Navy Transportation
Policy Changes and Their Effect on
Inventory Levels at Overseas Locations

by

William M. Blasczyk

Lieutenant Commander, United States Navy
B.A., Saint Cloud State University, 1977

Submitted in partial fulfillment
of the requirements for the degree of

MASTER OF SCIENCE IN MANAGEMENT

from the

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ABSTRACT

This thesis provides an analysis of policy changes directed by the Secretary of the Navy and Commander, Navy Supply Systems Command which have altered the method of transporting spare parts to overseas locations. In particular, an analysis is provided of the affect of resupplying spare parts by surface transportation that had previously been transported by air. The increase in time between air and surface transport required to move these materials is expected to result in the need for increased inventory levels to maintain the authorized protection. This thesis identifies the changes in protection levels needed to maintain an established level of support and attempts to identify the costs incurred in doing so. Analysis focuses on secondary item inventories for Intermediate Maintenance Activity (IMA) support which are maintained by the Naval Air Station (NAS) Rota Spain Supply Department.

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I. INTRODUCTION

A. BACKGROUND

During November of 1988, as a result of budget reductions driven by the projected FY-89 budget deficit, the Secretary of the Navy (SECNAV) issued an All Navy (ALNAV) Message 151/88 titled "FY-89 Servicewide Transportation (SWT) Funding" [Ref. 1]. The ALNAV identified a SWT funding shortfall for Fiscal Year (FY) 1989 of 60 million dollars and incorporated specific SWT cost control actions that were recommended by Fleet Command and Hardware Systems Command representatives at an August 1988 budget execution meeting. It further directed that these cost control actions were for immediate implementation. [Ref. 1]

B. THESIS OBJECTIVE

The primary purpose of this thesis is to analyze how these Transportation Policy changes are expected to affect supply support to overseas locations. Specific analysis is targeted at identifying increases in transportation time/Order and Ship Time (OST) which should result in increases in inventory required to sustain the established protection levels. Secondly, this thesis attempts to establish a cost related to the increases in inventory levels that result from increased

transportation time and determine if the savings incurred by using surface transportation are offset by these increases.

C. SCOPE

This analysis focuses on inventory levels maintained by the Naval Air Station (NAS) Rota Supply Department. NAS Rota Supply Department maintains secondary item inventories for Intermediate Maintenance Activity (IMA) support to NAS tenant Activities. Primary aircraft supported by the IMA include: P-3B/C, EP-3E, EA-3B, C-130 and C-12. For the purposes of this study, analysis will focus on Intermediate Maintenance Activity Repairable Attrition Allowances.

D. METHODOLOGY

This analysis uses 3M demand data for computing allowance requirements, taking into account projected increases in transportation time/OST. The 3M data were obtained from the NAS Rota Fixed Allowance Review Aid and 3M Activity Display. [Refs. 2,3] The data are required to develop Shore Based Consolidated Allowance Lists (SHORCAL) and includes 3M data for the period from April 1988 to March 1989. This data lists the demand requirements, both attrition and rotatable pool, associated with inventories stocked at NAS Rota.

E. PREVIEW

Chapter II provides an overview of the Naval logistics organization and the Naval Supply System detailing responsibilities as they apply to logistic support and inventory management. Chapter III examines the "FY-89 Servicewide Transportation (SWT) Funding" message (ALNAV 151/88) and resulting Naval Supply (NAVSUP) messages to identify policy changes related to SWT. It reviews those actions taken as a result of the policy changes, identifying the materials affected and the effect these actions have on transportation times required to move these materials to two overseas locations, NAS Rota, Spain and Naval Supply Depot, (NSD) Guam. Chapter III also describes the process used in determining inventory levels for SHORCALs. Chapter IV recalculates allowance levels needed as a consequence of the increased transportation time to NAS Rota, Spain due to changing from air to surface transportation. It then provides a second analysis of the same data for a transportation time increase appropriate for NSD Guam. Chapter IV also provides an analysis of the costs associated with these allowance increases. The final chapter summarizes the results of the analyses and provides recommendations for areas of further study.

II. NAVY LOGISTICS ORGANIZATION

The purpose of this chapter is to provide an overview of the functions and organizational responsibilities of the Navy logistics system, the Navy transportation system and the Navy Supply System. The first section will describe the functions of the Navy logistics system and responsibilities within the Naval logistics organization. The second section will focus on management of Navy transportation followed by a discussion of the function of the Naval Supply System and responsibilities at each level of the organization.

A. NAVY LOGISTICS SYSTEM

The Navy logistics system is tasked with the planning and execution of the movement and maintenance of Naval forces [Ref. 4:p. 2]

1. Functions of the Navy logistics system

The responsibilities inherent in the Navy logistics system cover a broad range of actions including design and development, acquisition, storage, movement, distribution and disposition of materials. Design, maintenance and disposal of facilities and determination of training requirements for personnel also fall within the purview of Naval logistics. These activities can be divided into three primary, interactive functions including acquisition logistics,

in-service support, and operational logistics. These functions are described as follows [Ref. 4]:

1. Acquisition Logistics-represents the Navy investment in logistic support resources and services. It is this function which provides the basic building blocks of operational force readiness and sustainability.

2. In-Service Support-is the distribution of the necessary supplies and proper maintenance of weapons and support systems. This function incorporates the mission of the Navy Supply System to provide supplies and services with the responsibilities of the Navy Maintenance organization and Base Operating Support.

3. Operational Logistics-is the allocation of Logistic Support Resources to all levels of the operating forces.

2. Organizational responsibilities of the Naval Logistics System

The Chief of Naval Operations (CNO) retains overall responsibility for both user and producer logistics in the Navy [Ref. 5:p. 4-1] Organizational responsibilities of the Naval Logistics system are divided between three separate organizations under the CNO: (1) the Office of the Chief of Naval Operations, (2) The shore establishment consisting of Systems Commands and CONUS Shore Commands, and (3) Operating Forces Commanders-in Chief. [Ref. 4:pp. 2-3]

Within the Office of the Chief of Naval Operations responsibilities are divided between Program Sponsors, the Deputy Chief of Naval Operations (DCNO)(Logistics) OP-04, the Director of Navy Program Planning and the Deputy Chief of Naval Operations (Plans, Policy and Operations). Program Sponsors are primarily responsible for conducting Planning, Programing, and Budgeting (PPBS) activities and ensuring integration of logistics considerations in the PPBS process. The DCNO for Logistics, OP-04, is the Logistics Program Sponsor and is responsible for accessing force logistics requirements and developing the Navy Acquisition and Operational Logistics Policy. The Director of Navy Program Planning supervises and evaluates policy and is responsible for programing and budgeting of Navy Logistics System resources. The DCNO for Plans, Policy and Operations provides strategic planning guidance for mobilization requirements in time of war. [Ref. 4:pp. 2-3]

The Shore Establishment is made up of the Systems Commands (SYSCOMS) and Manpower, Personnel, Training, Medical and Shore Commands. There are five Systems Commands under the Chief of Naval Operations: the Naval Air Systems Command (NAVAIR), the Naval Sea Systems Command (NAVSEA), the Naval Supply Systems Command (NAVSUP), the Space and Naval Warfare Systems Command (SPAWAR) and the Naval Facilities Engineering Command (NAVFAC). The SYSCOMS are responsible for developing

in-service support logistics policy relative to the Navy Supply System, facilities engineering and maintenance of activities under their cognizance. The Manpower, Personnel, Training, Medical and Shore Commands implement logistic activities as directed by OPNAV Program Sponsors.

[Ref. 4:p. 3]

Operating Forces, Fleet Commanders-in Chief (CINC) and other Navy Component Commanders are responsible for identifying acquisition and in service support logistics requirements and forwarding these requirements to their cognizant shore activities. [Ref. 4:p. 7]

B. MANAGEMENT OF NAVY TRANSPORTATION

Overall responsibility for the management of Navy-wide transportation resides with the Chief of Naval Operations. As in the Logistics Organization, responsibilities for day to day management of Navy Transportation are shared. The Deputy Chief of Naval Operations (Logistics) OP-04 is responsible for Navy Transportation Management within the Naval Operations organization. Under OP-04, the Director of the Material Division (OP-41) controls Navy transportation functions within the Defense Transportation System (DTA). The Director also acts as the program coordinator, issues policy guidance and evaluates transportation service. Also under OP-04, the Director of the Strategic Sealift Division (OP-42) is

responsible for the planning, programming and budgeting cycle and is the Navy Program Sponsor for Military Sealift Command (MSC). [Ref. 6:pp. 1-5]

The Naval Military Personnel Command has the primary responsibility as Manager Navy Passenger Transportation.

The Commander, Naval Supply Systems Command (COMNAVSUP), is designated as the Manager of Navy Material Transportation. The primary managerial responsibility is to provide effective transportation support at the lowest cost possible. COMNAVSUP is specifically responsible for recommending policy changes and financial management of Servicewide Transportation (SWT) which is composed of Second Destination Transportation (SDT) and designated First Destination Transportation (FDT) funds. [Ref. 6:pp. 4-5]

Major Claimants (major commands designated as an administering office under the Operations and Maintenance appropriation) are responsible for providing budget projections for SWT funds in preparation of budget formulation and execution. [Ref. 6:p. 5]

C. NAVAL SUPPLY SYSTEM

This section describes the organization and functional responsibilities of the Naval Supply System and identifies the material classifications maintained within the system.

1. System Responsibilities

The Naval Supply Systems Command (NAVSUP) is responsible for administration of the Navy supply system and the transportation of Navy property [Ref. 5:pp. 2-4].

NAVSUP's Inventory Control Points (ICPs) "are responsible for providing supplies to meet total user needs for most of the Navy supply items [Ref. 5:p. 6]." There are two ICPs: the Aviation Supply Office (ASO) and the Ships Parts Control Center (SPCC). The ICP's determine what and where material will be stocked, and in conjunction with the hardware systems commands and the consumers it will determine the support missions that the supporting stock points will carry out. [Ref. 5,7]

Naval Supply Centers (NSC's), Naval Supply Depots (NSDs) and Supply Departments of major Air Stations are the stock points for the bulk of the material maintained within the Naval Supply System. They also interact directly with both the ICPs and operational users in making allowance determinations. [Ref. 5,7]

Another responsibility of the Naval supply system is the inventory management of secondary items of supply. Secondary items of supply are defined as "consumable and repairable items and those end items not classified as principal end items." [Ref. 8:p. 2] Each item is centrally managed by an ICP.

There are two major levels of inventory managed within the Naval Supply system, wholesale and retail. Wholesale level inventory consists of material which is visible to the ICP manager. Aviation related material is managed by the ASO. Items for ships and non-aviation shore activities are managed by the SPCC.

Retail level inventory is material held below the wholesale level and divided into two types, intermediate and consumer level inventory. Intermediate level inventory consists of material "that is required between the consumer and wholesale levels of inventory for support of a defined area or for tailored support of specified consumer organizations." [Ref. 8:p. 2] Consumer level inventory consists of material "usually of limited range and depth, held only by the final element in an established supply distribution system for the sole purpose of internal consumption." [Ref. 8:p. 2] With the exception of repairables, item visibility is not available to the ICP's for material in either retail category.

D. AVCAL/SHORCAL PROCESS

This section provides a basic understanding of the Aviation Consolidated Allowance List (AVCAL) and Shore Based Consolidated Allowance List (SHORCAL), both of which are consumer level inventories. It also describes the process of

periodic AVCAL/SHORCAL redetermination and review. This information is important for a later application of the process and allowance determination. The following definitions are helpful in understanding the AVCAL/SHORCAL process [Ref. 8:pp. 3-4]:

Demand based Item-This definition is applied to items experiencing demands at a specific location or retail inventory (either intermediate or consumer). A demand based item is one for which the decision to stock, not to stock, or continue stockage is based upon actual demands previously recorded at, or transferred to, that particular activity or location. The transfer of actual demand data is applicable when operation units are transferred from one location to another, and/or equipment is actually transferred. Averaging or calculation of demands for similar equipment or organizations to establish stockage criteria does not qualify for identification as a demand supported item. In forecasting, however, experienced demand may be factored by program data.

Non-Demand Based Item-An item for which the decision to stock is based upon program related data or weapons system essentiality data rather than previously recorded demands. Inventory levels for non-demand based items are based on allowance lists or stockage lists and are usually developed by the Program Support Inventory Control Point (PSICP), either SPCC or ASO.

Allowance List-A list or document specifically tailored to an activity for support of maintenance and/or supply mission. Authorized activity allowances include:

Aviation Consolidated Allowance List (AVCAL). A consolidated listing of components, repair parts, and consumable items required for a mobile activity (ashore or afloat) to perform aviation organizational and intermediate level maintenance in support of assigned aircraft. The AVCAL also reflects activity demand in determining requirement levels.

Shore Based Consolidated Allowance List (SHORCAL). A requirements package identifying consumable items and fixed allowance requirements for depot and field level repairable items required to support planned operational and maintenance missions at designated Naval and Marine Corps air stations. In developing requirements, SHORCAL employs activity usage data and weapon system planning data to identify candidate items.

The Allowance Requirements Register (ARR)-Contains projections of the range and depth of spare assemblies and parts necessary to support the aircraft, associated systems and ground support equipment at the intermediate and organizational levels of maintenance. ARRs are segregated by the type of material to be supported, such as the aircraft, the avionics package or the support equipment. ARRs are normally divided into several parts. Part I contains attrition support, Part II contains rotatable pool items, and Part III and subsequent parts are used for special support requirements. [Ref. 9:p. 44]

The AVCAL/SHORCAL is developed by ASO to support assigned aircraft and support equipment located at a specific site. The initial step in the AVCAL/SHORCAL development process is the identification of all applicable ARRs. This provides the basic allowance requirements for each aircraft type. It includes allowances of aeronautical materials (Depot Level Repairables (DLR), Field Level Repairables (FLR) and consumables) needed to achieve required readiness standards. [Refs. 5,7,8,9]

The AVCAL/SHORCAL includes both demand and non-demand based items and the quantity of each, required to be self supporting for a specific time period. This time period is 30 days for Continental U.S. (CONUS) shore stations, 60 days

for overseas shore stations and 90 days for ships and deployed Marine Air Group (MAG). [Refs. 5,7,8,9]

Contents of the AVCAL/SHORCAL are based on number and type of aircraft, projected flight hours, applicable aircraft subsystems, historical demand data (attrition, repairs and turn-around time) and configuration data maintained in the Weapon System File (WSF) and supported by the Allowance Requirements Registers. [Refs. 5,7,8,9]

The first step of the AVCAL/SHORCAL process is to compute the ARR range and depth quantities. The second step consists of comparing these recommended quantities with actual usage data from the activity. This is the first point in the process that uses actual usage data maintained by the activity. If actual usage is smaller, the recommended quantity remains unchanged. If no actual usage is reported, the recommended quantity is reduced to one.

The final step is the AVCAL/SHORCAL review. The review includes participation by representatives from ASO, the appropriate Type Commander and the activity for which the AVCAL was developed. The purpose of the review is to validate AVCAL coverage, verify high dollar value and high quantity requirements and to brief the activity on the various documents and listings included in the AVCAL package.

[Ref. 10:p. 1]

The following elements are used in the AVCAL/SHORCAL process and to construct ARRs:

a. Maintenance Cycle (MC) base-Normally, 100 flying hours constitute one MC for an aircraft, its installed equipment and engine. The MC is fixed at four months for ground support equipment.

b. Maintenance Replacement Factor (MRF)-The MRF is the number of times during a year that a repairable will be Beyond the Capability of Maintenance (BCM) at the intermediate level of repair at the end of a maintenance cycle.

c. Units Per Component/Aircraft-This is the number of times the item appears in the component/aircraft.

d. Planned Operating Hours-This represents the planned aircraft utilization per month and is provided by the CNO.

e. The Number of Aircraft-This is the number of aircraft to be supported by the ARR/AVCAL and is reflected in the Weapon System Planning Document (WSPD).

f. Rotatable Pool Factor (RPF)-The RPF is the expected number of times during a year that a repairable will require removal from an aircraft/engine/equipment and be returned to an intermediate level of maintenance for restoration at the end of a maintenance cycle.

g. Turn-Around Time (TAT)-The TAT is the average number of working days between the removal of a repairable item for necessary processing at the intermediate maintenance level, or below, until it is restored to a ready-for-issue (RFI) condition.

h. Support Period-This is the period for which the ARR/AVCAL will provide attrition support. The CNO establishes this period, which is normally 90 days for afloat units, 60 days for EXCONUS shore activities and 30 days for CONUS shore activities. [Ref. 9:p. 45]

III. ANALYSIS OF TRANSPORTATION POLICY CHANGES

This chapter examines SECNAV ALNAV 151/88 [Ref. 1] and resulting NAVSUP messages to identify policy changes which affect transportation time/Order and Ship Time (OST) relating to inventory management. It reviews the actions directed by the Secretary of the Navy to identify specific materials which are affected by transportation policy changes. This is followed by an analysis of the impact expected on transportation time/OST primarily to overseas locations.

A. BACKGROUND

Since 1985 a period of ever increasing cutbacks has pressured the DOD budget. All areas have been scrutinized for potential savings and Servicewide Transportation (SWT) is no exception. An examination of transportation costs reveals a potentially lucrative target for major savings. A look at 1988 transportation volume and costs readily revealed that 4.1% of total cargo was costing 40.3% of the budget. Airlift amounted to a total cost of \$148.7M for movement of 137.8 thousand tons of cargo. Sealift, on the other hand, cost \$88.9M for movement of 1,718.8 thousand tons of cargo. This would indicate that air transport is at least 21 times more expensive than surface transport. [Ref. 11]

B. ANALYSIS OF POLICY CHANGES

The SECNAV ALNAV 151/88 established a policy of strict control over SWT funds. The ALNAV directs eighteen specific actions for Fleet Commanders/Major Claimants designed to reduce the cost of SWT. These actions cover all types of material transported in the Navy including non-perishable subsistence items, repositioning of war reserve material, equipment, ammunition and spares. The common thread is that these materials which had previously been eligible for air transportation in CONUS and overseas were now to be shipped by surface transportation. One of these actions in particular, "Divert to surface an additional 8,290 tons (approximately 30 percent of total requirement) of all transportation priority 2 (TP2), (UMMIPS priorities 4 through 8), air eligible shipments [Ref. 1]," has the potential to significantly impact inventory levels and is the focus of this thesis. Subsequent NAVSUP messages such as "FY-89 Service wide Transportation (SWT) Funding Message NO. I [Ref. 12]," reiterated the actions directed in SECNAV ALNAV 151/88 and directed a system of challenges for high cost transportation and air transported materials.

C. MATERIALS AFFECTED

Transportation Priority 2 (TP2), (UMMIPS priorities 4 through 8) material is essentially resupply of spare parts

inventories at the stock points. It includes items required for the immediate stock replenishment at overseas area supply activities when customer mission-essential stock levels drop below the recommended quantities [Ref. 13:p. 5]. In other words, when the attrition pool quantity drops because an item is not able to be repaired by the IMA, its replacement is TP2 material.

D. EFFECTS OF SURFACE TRANSPORTATION ON OST

This study uses two overseas locations, NAS Rota, Spain Supply Department and NSD Guam as representative of diverse locations supporting similar aviation squadrons. By establishing approximate mean OST for shipment of TP2 material the OST can then be used to recalculate SHORCAL inventory levels to support these two sites.

Informal estimates from NAVSUP indicate the following approximate transportation time/OST changes from air to surface transportation for the two stock points indicated [Ref. 14]:

TABLE 1
TRANSPORTATION TIME ESTIMATES

| AIR | | SURFACE |
|-----------|-----------------|------------|
| 3-5 days | NAS ROTA SUPPLY | 14-21 days |
| 5-10 days | NSD GUAM | 21-45 days |

Using these estimates for NAS Rota Supply Department, mean time of four days when TP2 material were transported via air and a mean time of 18 days with the shift to surface transport are indicated. For NSD Guam, a mean time seven days for TP2 material transported by air and 35 days with the shift to surface transport are used. This leaves a net increase of 14 days for Rota and 28 days for Guam. Although the accuracy of these estimates is pertinent, no empirical data which either supports or refutes these estimates are available. Thus, this study assumes that they are reasonably accurate for determining the effects on inventory allowance levels.

IV. RECOMPUTED SHORCAL

This chapter describes the procedure for incorporating the increased Order and Ship Times (OST) due to the use of surface transportation rather than air transportation into the determination of the depths of items to be carried in the SHORCAL at Rota and Guam. The computed depths and resulting cost increases to the SHORCAL are also presented.

A. SHORCAL COMPUTATION PROCEDURES

Allowance quantities for the two types of protection, rotatable pool and attrition, are determined following range and depth rules. For example, an item will be allowed to have a rotatable pool quantity if its computed expected repair pipeline quantity (RPQ) exceeds 0.11. The Poisson probability distribution, with mean RPQ, is used to determine a depth which provides 90% protection.

The second type of protection is attrition protection which is divided into two categories, Attrition for a Rotatable Pool item (ARP) and Attrition with No Rotatable Pool item (ANRP). ARP requires that the quarterly average attrition demand, D , to be at least 1.0. For those attritions having D of 1.0 or greater and a positive rotatable pool quantity the attrition depth should provide 65% protection over 90 days.

If there is attrition and no rotatable pool quantity for an item, the depth needed to protect against stockouts will depend on two criteria;

- 1) Unit Price (P) < \$5000 and D>.33;
- 2) Unit Price (P) > \$5000 and D>.5.

The depth is established as the quarterly demand value, D, rounded up at .5. It is important to note that consumables will not be addressed in this thesis because consumable inventories are controlled at the local stock point level when one exists using Variable Operating and Safety Level (VOSL) guidelines [Ref. 15].

Demand data is obtained through the Aviation Maintenance and Material Management (AV-3M) system data files maintained by the Navy Maintenance Support Office (NAMSO). This data is comprised of maintenance information originated at the squadron level using the Visual Information Display System/Maintenance Action Forms (VIDS/MAFs) to detail all aspects of a repair from removal and trouble shooting to repair and replace. Times to accomplish repair are measured in manhours and are constrained to 20 days maximum. [Ref. 16]

The following rules are used to determine the ARR range and depth [Ref. 9]:

1. Range Rules. Using the factors described above, a predicted usage rate is computed for all items based on all aircraft and equipment to be supported. The rules for

including items in the ARR are (except for items used in small population aircraft):

a. Rotatable Pool. A past average monthly repair history of one or more units in 30 days.

b. Attrition Allowance for an item that has qualified for the rotatable pool. A predicted Beyond Capability of Maintenance (BCM) rate of one or more units in 90 days.

B. RECOMPUTATION OF SHORCAL

For the purposes of this study a recent SHORCAL was examined for the NAS Rota, Spain, Supply Department. This SHORCAL included 1576 items which had displayed demand over a twelve-month period prior to the SHORCAL. This SHORCAL was recomputed to include the changes in OST shown above.

1. Following the methodology in the preceding section, it was determined that recomputation of only those items affected by an increase in OST should be addressed. Thus, only items having attrition due to being BCM'd and having qualified as a rotatable pool item were used for review and recalculation.

It should be emphasized here that only net increases of OST were used. Current practice in these ARR's is to ignore the air transport times in the computations of range and depth. Thus, the only OST effect used for these computations

is the net increase identified at the end of the previous chapter.

2. The BCM range rule was applied next. Only those items having a demand $D > 1.0$ or, in other words, having four or more BCMs per year would be considered.

3. The next step was to compute the formula for mean Attrition for Rotatable Pool (ARP) items. For items that passed the range rule, ARP is calculated using the Poisson distribution with a mean equal to:

$$D [1 + \text{OSTI}/90]$$

and a goal of at least 65% protection.

4. The calculated results of the extended OST are then compared with the projected attrition protection previously established by ASO. (column ATTR of Appendix A)

5. If the amount as calculated with the extended OST is higher than the recommended attrition protection, a net increase results.

The increase, if there is one, is multiplied by the Unit Price. The result is the cost required to provide a protection level of at least 65% for the increased OST (OSTI).

The following is provided as an example of an actual computation conducted for this analysis:

The item represented by NIIN # 001488247 was first selected from Appendix A. Next the mean demand over the extended OST was computed using the formula:

$$D [1 + OSTI/90]$$

The value of D is calculated as the number of yearly BCMs divided by four to get the quarterly rate (in this case $11/4 = 2.75$) to arrive at a quarterly forecast. Thus, the extended mean demand is $2.75 [1 + 14/90] = 3.177778$. This number is used as the mean in the Poisson probability distribution to determine a depth of stock n , which provides a protection level of 65%. The protection level is defined as the probability that the total number of attrition demands over 90 days will not exceed n .

Table 2 provides information from the Poisson distribution for this example. The X column is a random variable representing demand per quarter. Column $P(X)$ represents the probability that this demand occurs if X is Poisson distributed with a mean demand of 3.177778. The final column essentially represents the sum of the individual probabilities for $X = 0, 1, 2, \dots, x$.

From the right hand column we see that if $n = 4$ then the probability of 4 or less attrition demands will be 78.46%.

If $n = 3$ then the probability of 3 or less attrition demands will be only 60.75%, which is less than the desired 65% goal.

TABLE 2
POISSON TABLE

| X | P(X) | $\Sigma P(X)$ |
|----|--------|---------------|
| 0 | 0.0417 | 0.0417 |
| 1 | 0.1324 | 0.1741 |
| 2 | 0.2104 | 0.3846 |
| 3 | 0.2229 | 0.6075 |
| 4 | 0.1771 | 0.7846 |
| 5 | 0.1125 | 0.8971 |
| 6 | 0.0596 | 0.9567 |
| 7 | 0.0271 | 0.9838 |
| 8 | 0.0107 | 0.9945 |
| 9 | 0.0038 | 0.9983 |
| 10 | 0.0012 | 0.9995 |
| 11 | 0.0003 | 0.9999 |
| 12 | 0.0001 | 1.0000 |

Comparing this to the ASO calculated attrition protection quantity for the same item, we find an increase of 1 unit is needed. The cost of providing at least 65% protection for the item when the additional OST of 14 days is added is the cost of this additional unit. For this item, the increase is \$1500.

Appendix A lists the increases in depth for each item in the SHORCAL meeting the ARP qualifications stated above. The results are listed in the final three columns as follows:

1. The column having the heading of 14/28 day OST represents the ARP depth calculations when OST is both 14 and 28 days.

2. The column with the heading INC 14/28 presents any increase between the ASO calculated ARP listed in the column with the heading ATTR and the ARP calculation results for 14 and 28 day OST's.

3. The column with the heading of UP X INC 14/28 represents the increase in cost which results from the increased depths.

The reason for the dual computations is to show the effect of a change of requirement with increases of both 14 and 28 days OST. This represents the increases in OST experienced at Rota, Spain supply department and NSD Guam, respectively.

C. RESULTS OF RECOMPUTING THE SHORCAL

A total of 73 items in the SHORCAL met all qualifications for consideration, of these 25 items required increases over the ASO determined quantities to meet the established 65% protection level. The values of these items ranged from a low of \$85 per unit of safety/survival material to a high of \$44,560 for an item of P-3 equipment.

1. A total of \$114,942 worth of additional inventory would be required to provide stated 65% protection level with

an estimated 14-day increase in OST which seems appropriate for NAS Rota's rotatable pool attrition allowance.

2. A total of \$151,987 worth of inventory would be required to provide stated 65% protection level with an increase in OST of 28 days which would be appropriate for NSD, Guam.

V. SUMMARY AND CONCLUSIONS

A. SUMMARY

Chapter II provided an overview of the functions and responsibilities of the Navy logistics system, the Navy transportation system and the Navy supply system. It described the Navy logistics system emphasizing broad responsibilities within the organization. Furthermore, it identified organizational responsibilities for the transportation of Navy material. Chapter II then described the Naval supply system, and identified the organizational responsibilities and the methods used in inventory management. This chapter also provided the background necessary for understanding inventory management in the Navy with special attention to the process of AVCAL/SHORCAL allowance determination.

Chapter III examined Navy transportation policy changes and identified the types of material affected, what the effects were in terms of increases in transportation time/Order and Ship Time (OST) and described locations where this could significantly impact inventory levels.

In Chapter IV, a description of the procedures followed in AVCAL/SHORCAL determinations was presented. These procedures were then used to recompute SHORCAL allowances

using recent data obtained from the Aviation Supply Office (ASO). The chapter concluded with a presentation of the results of recomputing the SHORCAL. This recomputation assigned a dollar value to increases in inventory resulting from application of increases in OST.

B. CONCLUSIONS

Although recalculation revealed that application of an Order and Ship Time factor to the SHORCAL did indicate that increases were necessary to maintain consistent protection levels, the corresponding cost of these increases is relatively low. Even the artificial application of a 28 day OST to this SHORCAL revealed only a \$152 thousand cost to meet authorized protection of 65% across the total range of inventory items. Finally, it is important to realize that this will be a one-time cost to increase the levels. Thus, it can be concluded that the transportation policy changes brought about to reduce Servicewide Transportation expenditures will have apparently little effect on the inventory levels and corresponding protection provided.

C. RECOMMENDATIONS FOR AREAS OF FURTHER STUDY

While gathering data to support this thesis it was discovered that no empirical data is formally maintained to identify actual transportation times to overseas locations. Because of this, it was necessary to use estimates of

transportation time increases. Research should be conducted to establish a system for compiling transportation time data which would improve the accuracy of OST factors. These factors should also play a more important role than they do now in the allowance determination process.

This thesis was able to determine the approximate costs for increases in inventory levels that result from increased transportation time at NAS Rota, Spain and NSD Guam. However, no specific transportation cost savings are known that can be attributed to the movement of materials to these locations. These transportation cost savings should be determined prior to making a final conclusion.

Finally, since this thesis focused only on the inventories at NAS Rota Supply Department which were associated with rotatable pool items, it did not address the effect on consumables maintained at the same location. Consumables inventory quantities are determined locally which tends to be more responsive to fluctuations in demand. However, the effect of increases in transportation time/OST on these consumables could represent substantial one-time costs. These increases can be easily determined using the VOSL model.

APPENDIX

The following acronyms are used as headings in the subsequent table. The acronym is followed by its definition.

| | |
|-----------------|-----------------------------------------------------|
| COG - | Navy Material Cognizance Symbol |
| MCC - | Mission Criticality Code |
| FSC - | Federal Stock Code |
| NIIN - | National Item Identification Number |
| SMIC - | Special Material Identification Code |
| BCM - | Beyond Capability of Maintenance |
| RPR - | # Repaired during one year |
| TAT - | Turn-Around Time |
| OLD RQMT - | ATTR POOL + RP + PACK-UP |
| ATTR POOL - | ASO CALCULATED ATTR POOL QUANTITY |
| RP - | Rotatable Pool |
| RECM RQMT - | RECOMMENDED REQUIREMENT |
| 14/28 DAY OST - | RECOMMENDED ATTR POOL WITH 14/28 DAY OST APPLIED |
| INC 14/28 - | 14/28 DAY OST MINUS ATTR POOL QUANTITY |
| UP - | Unit Price |
| UP X INC 14/28 | -UNIT PRICE TIMES INC 14/28 |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCM | RFR | TAT | OLD | ATTR | POOL | RP | RECM | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|------|------|------|------|----|------|-------|-------|-------|
| | | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | ROMT | | | | ROMT | OCT | 14/28 | 14/28 |
| 7R | H | | 2925 | LLRANA685 | TN | \$46880 | 2 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5975 | 000000120 | JZ | \$939 | 0 | 1 | 8 | 7 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 6635 | 000011821 | SX | \$521 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6635 | 000011822 | SX | \$1050 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5821 | 000011888 | EP | \$17100 | 0 | 4 | .75 | 7 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 6635 | 000014534 | SX | \$632 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 6635 | 000014535 | SX | \$651 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 6635 | 000014536 | SX | \$691 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 6635 | 000014539 | SX | \$829 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6635 | 000014540 | SX | \$632 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 7035 | 000014584 | EP | \$4100 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 000014614 | EP | \$8860 | 0 | 26 | 2.34 | 10 | 0 | 0 | 2 | 3 | | | |
| 7R | H | | 5865 | 000014627 | EP | \$5220 | 0 | 1 | 1.0 | 5 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 000016609 | EW | \$1100 | 0 | 1 | 2.0 | 2 | 0 | 0 | 0 | 2 | | | |
| 7R | H | | 5831 | 000016612 | EP | \$611 | 0 | 6 | 1.0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5831 | 000016615 | EP | \$622 | 0 | 1 | 1.0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5831 | 000016618 | EP | \$611 | 0 | 14 | .78 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5831 | 000016619 | EP | \$611 | 0 | 2 | 2.5 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5831 | 000016621 | EP | \$611 | 0 | 1 | 1.0 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 6625 | 000019702 | EP | \$2330 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | | | |

| COG | C | FSC | NTIN | UNIT | BCM | RPR | TAT | OLD | ATTR | RPM | RECH | 14/28 | | UP |
|-----|---|------|-----------|------------|-----|-----|------|------|------|-----|------|-------|-------|-------|
| | | | | | | | | | | | | DAY | INC | |
| | | | | SMIC PRICE | | | | ROMT | POOL | | ROMT | OCT | 14/28 | 14/28 |
| 7R | E | 6620 | 000203211 | BP \$2600 | 33 | 0 | 0 | 23 | 17 | 0 | 17 | | | |
| 7R | H | 5821 | 000206104 | EX \$669 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | 6620 | 000212239 | BP \$875 | 12 | 0 | 0 | 9 | 6 | 0 | 6 | | | |
| 7R | H | 5821 | 000214742 | EX \$823 | 0 | 2 | 1.0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 2840 | 000218168 | DQ \$1030 | 12 | 0 | 0 | 0 | 5 | 0 | 5 | | | |
| 7R | H | 2840 | 000218170 | DQ \$1100 | 11 | 0 | 0 | 5 | 5 | 0 | 5 | | | |
| 7R | H | 4810 | 000223115 | SN \$1600 | 2 | 0 | 0 | 2 | 1 | 0 | 2 | | | |
| 7R | E | 5930 | 000227504 | RX \$673 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | | | |
| 7R | H | 5865 | 000252617 | EP \$3720 | 0 | 1 | 1.0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | 5865 | 000252725 | EP \$9830 | 1 | 1 | 20.0 | 5 | 0 | 1 | 5 | | | |
| 7R | H | 5963 | 000252944 | EP \$652 | 0 | 1 | 1.0 | 1 | 0 | 1 | 4 | | | |
| 7R | H | 5865 | 000252957 | EW \$931 | 0 | 2 | 1.5 | 7 | 0 | 0 | 4 | | | |
| 7R | H | 5865 | 000259903 | EP \$10430 | 0 | 1 | 1.0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5865 | 000260066 | EP \$16920 | 0 | 1 | 4.0 | 7 | 0 | 0 | 3 | | | |
| 7R | E | 5895 | 000261221 | BP \$15620 | 4 | 0 | 0 | 1 | 2 | 0 | 2 | | | |
| 7R | H | 1680 | 000298969 | EP \$5220 | 0 | 1 | 1.0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 1680 | 000299004 | EP \$5220 | 0 | 1 | 1.0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 1680 | 000299005 | EP \$5220 | 0 | 1 | 12.0 | 2 | 0 | 0 | 1 | | | |
| 7R | H | 5865 | 000299123 | EP \$3270 | 0 | 1 | 1.0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5831 | 000299205 | EP \$2370 | 0 | 3 | 7.33 | 2 | 0 | 1 | 1 | | | |

| COG | C | M | FSC | NIIN | UNIT | SMIC | PRICE | BOH | RPR | TAT | OLD | RQMT | ATTR | POOL | RP | RECH | RQMT | 14/28 | | UP | |
|-----|---|---|------|-----------|------|----------|-------|-----|-------|-----|-----|------|------|------|-----|------|------|-------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | DAY | INC | 14/28 | INC |
| | | | | | | | | | | | | | | | | | | OCT | 14/28 | | 14/28 |
| 7R | H | | 5831 | 000299208 | EP | \$1690 | 0 | 1 | 1.0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 7R | H | | 5865 | 000299252 | EP | \$2610 | 0 | 2 | .5 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 7R | H | | 5865 | 000299255 | EP | \$5880 | 0 | 1 | 1.0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 7R | H | | 5865 | 000299256 | EP | \$13040 | 0 | 3 | 3.33 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 7R | H | | 5865 | 000299291 | EP | \$42210 | 0 | 3 | 2.66 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | |
| 7R | E | | 1610 | 000309552 | LC | \$70400 | 5 | 7 | 13.42 | 4 | 2 | 2 | 2 | 4 | 0/0 | 0/0 | | 2/2 | 0/0 | | 0/0 |
| 7R | H | | 5895 | 000309902 | BP | \$404 | 3 | 2 | 18.0 | 3 | 0 | 1 | 2 | | | | | | | | |
| 7R | H | | 5895 | 000323299 | FP | \$1220 | 0 | 1 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 5895 | 000323307 | FP | \$1500 | 0 | 3 | 7.33 | 0 | 0 | 1 | 1 | | | | | | | | |
| 7R | H | | 5821 | 000323564 | EP | \$6900 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | | | |
| 7R | H | | 5821 | 000323566 | EP | \$4830 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | | | | | | |
| 7R | H | | 5821 | 000323583 | EW | \$1860 | 5 | 0 | 0 | 2 | 3 | 0 | 3 | | | | | | | | |
| 7R | H | | 5821 | 000323592 | EW | \$513 | 0 | 1 | 5.0 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 1R | D | | 2840 | 000337236 | SN | \$399 | 1 | 2 | .5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 5841 | 000338367 | EP | \$152650 | 0 | 15 | 1.4 | 9 | 0 | 1 | 5 | | | | | | | | |
| 7R | H | | 6130 | 000366237 | EP | \$948 | 1 | 0 | 0 | 6 | 1 | 0 | 6 | | | | | | | | |
| 7R | H | | 5895 | 000366527 | FX | \$1820 | 2 | 15 | 1.6 | - | - | - | - | | | | | | | | |
| 7R | H | | 5821 | 000366565 | EW | \$24670 | 13 | 65 | 1.89 | 13 | 7 | 3 | 10 | | | | | 4/5 | 0/0 | | 0/0 |
| 7R | H | | 5821 | 000366658 | EP | \$536 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | | | | | | |
| 7R | H | | 5865 | 000379947 | EP | \$16290 | 0 | 2 | 3.7 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | | | | | |

| COG | M C | FSC | NTIN | UNIT PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RPT | RECH RQMT | 14/28 | | | UP X INC 14/28 |
|-----|-----|------|-----------|------------|---------|-----|-----|----------|-----------|-----|-----------|-------|-----|-----------|----------------|
| | | | | | | | | | | | | DAY | CST | INC 14/28 | |
| 7R | H | 5865 | 000379962 | EP | \$11080 | 0 | 4 | 2.5 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5865 | 000379976 | EP | \$8890 | 0 | 2 | 1.0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5865 | 000379979 | EP | \$40630 | 0 | 1 | 1.0 | 2 | 0 | 0 | 2 | | | |
| 7R | H | 5835 | 000379985 | EP | \$55840 | 0 | 10 | 1.2 | 10 | 0 | 0 | 1 | | | |
| 7R | H | 5865 | 000380020 | EP | \$47550 | 0 | 2 | 1.0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5831 | 000380024 | EP | \$783 | 0 | 1 | 1.0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 7035 | 000380033 | EP | \$14820 | 6 | 0 | 0 | 5 | 3 | 0 | 3 | | | |
| 7R | H | 7035 | 000380141 | EP | \$11850 | 5 | 0 | 0 | 7 | 3 | 0 | 3 | | | |
| 7R | H | 5865 | 000380570 | EP | \$3000 | 1 | 0 | 0 | 6 | 1 | 0 | 4 | | | |
| 7R | E | 5821 | 000409112 | EW | \$26450 | 4 | 11 | 1.27 | 14 | 2 | 0 | 2 | 1/2 | 0/0 | 0/0 |
| 1R | D | 2840 | 000421326 | SN | \$399 | 1 | 3 | 6.66 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 2840 | 000421421 | SN | \$3100 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5821 | 000423405 | EX | \$2570 | 0 | 7 | 4.85 | 5 | 0 | 1 | 2 | | | |
| 1R | D | 2840 | 000426896 | SN | \$1110 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 5895 | 000431987 | EX | \$5410 | 4 | 5 | 6.2 | 3 | 3 | 1 | 6 | 1/2 | 0/0 | 0/0 |
| 7R | E | 5895 | 000431990 | EX | \$1170 | 1 | 0 | 0 | 1 | 0 | 0 | 7 | | | |
| 7R | E | 2995 | 000453347 | BP | \$7790 | 22 | 0 | 0 | 16 | 11 | 0 | 11 | | | |
| 1R | D | 5995 | 000462414 | SN | \$1600 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 1560 | 000464300 | BA | \$1210 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | | | |
| 7R | E | 5821 | 000504288 | EX | \$2020 | 6 | 12 | 7.16 | 3 | 3 | 2 | 5 | 2/2 | 0/0 | 0/0 |

| COG | C | M | FSC | NIIN | UNIT | SMIC | PRICE | BCM | RFR | TAT | OLD | ATTR | POOL | RP | RECM | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-------|-----|-----|-------|-----|------|------|----|------|-------|-----|-------|
| | | | | | | | | | | | | | | | | DAY | OST | INC |
| | | | | | | | | | | | | | | | | | | 14/28 |
| 7R | H | | 5831 | 000508617 | FZ | \$503 | | 0 | 5 | 2.0 | 1 | 0 | 0 | 0 | 0 | | | X |
| 7R | H | | 5831 | 000508618 | FZ | \$707 | | 0 | 2 | 1.0 | 2 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 4140 | 000512620 | LC | \$1870 | | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | 14/28 |
| 1R | D | | 4720 | 000525599 | DA | \$423 | | 1 | 2 | 1.0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1630 | 000528403 | LC | \$5590 | | 0 | 11 | 18.36 | 5 | 0 | 3 | 3 | 3 | | | |
| 7R | H | | 6220 | 000565284 | BP | \$4220 | | 0 | 1 | 1.0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5841 | 000580356 | BP | \$1450 | | 0 | 2 | 4.5 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5895 | 000592726 | EX | \$2500 | | 0 | 3 | .33 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 2840 | 000596427 | SN | \$1680 | | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | |
| 1R | D | | 2840 | 000596429 | SN | \$2310 | | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | |
| 1R | D | | 2840 | 000596466 | SN | \$784 | | 0 | 1 | 1.0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 2840 | 000596586 | SN | \$666 | | 0 | 1 | 1.0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 2840 | 000596659 | SN | \$930 | | 0 | 1 | 20.0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 2840 | 000598964 | SN | \$6420 | | 3 | 4 | 5.25 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 2840 | 000598991 | SN | \$2610 | | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 6615 | 000605103 | BP | \$29630 | | 6 | 1 | 0 | 6 | 3 | 0 | 3 | 3 | 2/2 | 0/0 | 0/0 |
| 7R | E | | 5865 | 000605424 | EP | \$64860 | | 2 | 38 | 3.71 | 10 | 0 | 3 | 3 | 3 | | | |
| 1R | D | | 1670 | 000606679 | LX | \$249 | | 26 | 0 | 0 | 17 | 17 | 0 | 17 | 0 | | | |
| 7R | H | | 6130 | 000606813 | EP | \$1970 | | 0 | 4 | 1.0 | 8 | 0 | 0 | 0 | 16 | | | |
| 7R | E | | 6615 | 000613131 | FZ | \$2460 | | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | | | |

| COG | C | FSC | NTIN | SMIC PRICE | UNIT | BCM | RPR | TNT | OLD RQMT | ATTR POOL | RFP | RECH RQMT | 14/28 | | UP |
|-----|---|------|-----------|------------|------|-----|-----|------|----------|-----------|-----|-----------|-------|-------|---------|
| | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | OCT | 14/28 | 14/28 |
| 7R | E | 2620 | 000614108 | YX \$105 | | 109 | 0 | 0 | 58 | 49 | 0 | 49 | | | |
| 7R | E | 1660 | 000620301 | LC \$4360 | | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 6110 | 000636882 | 2X \$1780 | | 1 | 3 | .66 | 5 | 1 | 0 | 1 | | | |
| 1R | D | 5865 | 000639300 | BP \$931 | | 0 | 1 | 17.0 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 5865 | 000639303 | BP \$298 | | 0 | 1 | 1.0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5865 | 000639306 | BP \$4540 | | 0 | 4 | 15.0 | 1 | 0 | 2 | 2 | | | |
| 1R | D | 6625 | 000639305 | BP \$935 | | 0 | 1 | 1.0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 2995 | 000640196 | BA \$3820 | | 2 | 0 | 0 | 6 | 1 | 0 | 1 | | | |
| 7R | H | 4810 | 000652898 | LC \$599 | | 5 | 3 | 1.0 | 1 | 1 | 0 | 1 | 2/2 | 1/1 | 599/599 |
| 7R | H | 1650 | 000658214 | LC \$4810 | | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5865 | 000675831 | BP \$10700 | | 1 | 9 | 3.55 | 2 | 0 | 1 | 1 | | | |
| 1R | D | 6615 | 000701827 | BP \$277 | | 0 | 2 | 7.0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 1680 | 000705993 | BP \$1790 | | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 4320 | 000711681 | BP \$1110 | | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | 4320 | 000711743 | BP \$1600 | | 7 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | 4320 | 000711745 | BP \$776 | | 6 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | E | 5821 | 000725454 | F2 \$11290 | | 2 | 79 | 3.07 | 11 | 0 | 3 | 3 | | | |
| 1R | D | 1680 | 000730795 | BP \$316 | | 0 | 17 | 1.35 | 2 | 0 | 1 | 1 | | | |
| 1R | D | 1680 | 000730796 | BP \$397 | | 0 | 10 | 1.6 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 1680 | 000738204 | LC \$3690 | | 5 | 2 | 1.5 | 2 | 2 | 0 | 2 | 2/2 | 0/0 | 0/0 |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCM | RPR | TNT | OLD RMT | ATTR POOL | RP | RECH RMT | 14/28 | | | UP |
|-----|---|---|------|-----------|------|--------|-----|-----|------|------------|--------------|----|-------------|-------|-----|-------|-----|
| | | | | | | | | | | | | | | DAY | INC | 14/28 | |
| 7R | E | | 1660 | 000750576 | BP | \$649 | 5 | 0 | 0 | 3 | 3 | 0 | 3 | | | | |
| 7R | E | | 1630 | 000751976 | BP | \$2240 | 8 | 110 | 2.03 | 28 | 3 | 3 | 6 | 3/3 | 0/0 | | 0/0 |
| 7R | E | | 6645 | 000763050 | UX | \$846 | 32 | 4 | 1.25 | 7 | 12 | 0 | 12 | 10/12 | 0/0 | | 0/0 |
| 1R | D | | 5865 | 000764086 | BP | \$2750 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 4320 | 000783516 | FN | \$4050 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | | | | |
| 7R | E | | 1660 | 000794564 | FZ | \$1220 | 0 | 26 | 3.11 | 21 | 0 | 2 | 2 | | | | |
| 1R | D | | 1660 | 000794629 | BP | \$329 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5826 | 000818325 | FZ | \$2190 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 4820 | 000821384 | SN | \$5240 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | | |
| 1R | D | | 2840 | 000823228 | SN | \$1410 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 2840 | 000823289 | SN | \$2320 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 2840 | 000823296 | SN | \$2070 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | | |
| 7R | H | | 5865 | 000827556 | EP | \$8890 | 0 | 4 | 6.5 | 6 | 0 | 1 | 1 | | | | |
| 7R | H | | 5841 | 000842542 | BP | \$1870 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 6130 | 000842544 | BP | \$1040 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | | | | |
| 7R | E | | 1660 | 000846707 | LC | \$7840 | 4 | 0 | 0 | 2 | 1 | 0 | 1 | | | | |
| 7R | H | | 1660 | 000846708 | LC | \$8840 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | | |
| 7R | E | | 4810 | 000851104 | BP | \$2580 | 2 | 34 | 3.85 | 12 | 0 | 2 | 2 | | | | |
| 7R | E | | 1630 | 000852632 | BP | \$1140 | 5 | 0 | 0 | 1 | 1 | 0 | 1 | | | | |
| 7R | H | | 1610 | 000864993 | BP | \$1220 | 0 | 3 | 7.33 | 1 | 0 | 0 | 0 | | | | |

| COG | C | M | FSC | MIIN | SMIC | UNIT PRICE | BCM | RPR | TAT | OLD RMT | ATTR POOL | RP | RECH RMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|------------|-----|-----|------|------------|--------------|----|-------------|-------|-------|----------|
| | | | | | | | | | | | | | | DAY | INC | X INC |
| 7R | E | | 6605 | 000870628 | FZ | \$2500 | 0 | 23 | 1.08 | 15 | 0 | 1 | 1 | | | |
| 7R | E | | 6615 | 000870629 | FZ | \$5020 | 16 | 7 | 0 | 15 | 5 | 0 | 5 | 5/6 | 0/1 | 0/5020 |
| 1R | D | | 5821 | 000871504 | FZ | \$306 | 0 | 3 | .33 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5821 | 000875518 | FZ | \$7000 | 1 | 1 | 1 | 2 | 0 | 0 | 1 | | | |
| 7R | E | | 5841 | 000876089 | PZ | \$31740 | 3 | 46 | 3.58 | 11 | 0 | 3 | 3 | | | |
| 7R | H | | 2925 | 000888997 | PQ | \$4880 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 1R | D | | 4220 | 000897620 | LX | \$85 | 71 | 34 | 2.55 | 22 | 12 | 2 | 14 | 22/25 | 10/13 | 850/1105 |
| 7R | E | | 6130 | 000898034 | AZ | \$1760 | 1 | 7 | 4.42 | 3 | 0 | 1 | 3 | | | |
| 7R | E | | 5821 | 000898134 | FZ | \$4260 | 1 | 37 | 5.13 | 11 | 0 | 3 | 3 | | | |
| 7R | H | | 5865 | 000903616 | EP | \$5220 | 0 | 2 | 4.5 | 5 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 000903715 | EP | \$1570 | 0 | 1 | 1 | 5 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 000910457 | EP | \$605 | 4 | 0 | 0 | 3 | 4 | 0 | 7 | | | |
| 1R | D | | 5965 | 000910653 | EP | \$598 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | | | |
| 7R | H | | 5831 | 000910948 | EP | \$1690 | 0 | 8 | 7.62 | 5 | 0 | 2 | 2 | | | |
| 7R | H | | 5821 | 000911412 | EP | \$1780 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 1R | D | | 2835 | 000916354 | RX | \$2450 | 0 | 2 | 1.5 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 6610 | 000917323 | WX | \$343 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5821 | 000926300 | EP | \$1970 | 0 | 4 | 1 | 5 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 000956436 | EP | \$652 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 2915 | 000973458 | SN | \$482 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | | | |

| COG | C | M | FSC | NIN | SMIC | PRICE | BCM | RFR | TMT | OLD | ATTR | POOL | RP | RECM | 14/28 | | UP |
|-----|---|---|------|-----------|------|----------|-----|-----|------|-----|------|------|----|------|-------|-------|-------|
| | | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | RMT | | | | RMT | OST | 14/28 | 14/28 |
| 7R | E | | 5841 | 001030406 | LC | \$9110 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 5865 | 001062723 | EP | \$136770 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 001062732 | EP | \$29790 | 0 | 10 | .8 | 2 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 001078917 | EP | \$4150 | 0 | 1 | 6 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | E | | 1377 | 001094606 | LX | \$904 | 13 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | | | |
| 7R | E | | 5826 | 001100938 | TZ | \$8890 | 0 | 12 | 7 | 1 | 0 | 2 | 2 | 2 | | | |
| 7R | E | | 5821 | 001101119 | FP | \$137440 | 0 | 50 | 3.9 | 7 | 0 | 3 | 3 | 3 | | | |
| 7R | E | | 5821 | 001101616 | FP | \$73730 | 12 | 14 | 4.28 | 5 | 5 | 2 | 2 | 7 | 4/5 | 0/0 | 0/0 |
| 7R | H | | 5821 | 001101719 | FP | \$14340 | 0 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5821 | 001101722 | FP | \$40300 | 1 | 7 | 4.28 | 1 | 0 | 1 | 1 | 1 | | | |
| 7R | E | | 5821 | 001101748 | FP | \$19430 | 6 | 2 | 1 | 1 | 3 | 0 | 0 | 3 | 2/2 | 0/0 | 0/0 |
| 7R | E | | 5841 | 001104882 | WZ | \$2250 | 4 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | | | |
| 7R | H | | 5865 | 001105552 | EP | \$1310 | 0 | 2 | 10.5 | 6 | 0 | 1 | 1 | 1 | | | |
| 7R | E | | 5985 | 001105664 | FP | \$26400 | 1 | 20 | 5.75 | 2 | 0 | 2 | 2 | 2 | | | |
| 7R | H | | 5865 | 001106082 | EW | \$14820 | 0 | 26 | 1.61 | 20 | 0 | 2 | 8 | 8 | | | |
| 7R | E | | 5845 | 001108626 | FP | \$11340 | 0 | 5 | 2.6 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 6115 | 001129255 | RX | \$14480 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 2915 | 001133540 | PQ | \$4710 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 5895 | 001151031 | AZ | \$1360 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 2 | | | |
| 7R | H | | 5895 | 001151035 | AZ | \$940 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | | |

| COG | C | FSC | NTIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | RQMT | ANTR | POOL | RP | RECH | RQMT | 14/28 | | UP | |
|-----|---|------|-----------|------|---------|-------|-----|------|-----|-----|------|------|------|----|------|------|-------|-----|-----|-------|
| | | | | | | | | | | | | | | | | | DAY | INC | INC | 14/28 |
| | | | | | | | | | | | | | | | | | OCT | | | |
| 7R | H | 5895 | 001151036 | AZ | \$325 | 0 | 2 | 13.5 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | | | | | |
| 7R | E | 5821 | 001155533 | FP | \$1450 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | | | | | |
| 7R | H | 5821 | 001155553 | FP | \$1420 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | 5821 | 001155560 | FP | \$3230 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | 5841 | 001159289 | BP | \$4320 | 0 | 4 | 18 | 1 | 0 | 2 | 2 | 2 | 2 | 2 | | | | | |
| 7R | E | 5841 | 001159290 | BP | \$5780 | 9 | 0 | 0 | 3 | 4 | 0 | 4 | 4 | 0 | 4 | | | | | |
| 7R | E | 5841 | 001159291 | BP | \$10220 | 13 | 1 | 1 | 1 | 1 | 7 | 0 | 7 | 0 | 7 | | 4/5 | 0/0 | 0/0 | 0/0 |
| 7R | H | 5841 | 001159292 | BP | \$9090 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | 5841 | 001159295 | BP | \$12840 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | 5841 | 001159339 | BP | \$10870 | 0 | 4 | 7 | 4 | 0 | 1 | 1 | 1 | 1 | 1 | | | | | |
| 7R | H | 5841 | 001159342 | BP | \$2680 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | 5841 | 001161219 | BP | \$1580 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | 5841 | 001161221 | BP | \$15720 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | 5815 | 001161241 | BP | \$488 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | | | | | |
| 7R | H | 5815 | 001161266 | BP | \$1690 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | 6610 | 001164020 | BP | \$10580 | 12 | 0 | 0 | 8 | 5 | 0 | 5 | 5 | 0 | 5 | | | | | |
| 7R | H | 5985 | 001166340 | FP | \$2630 | 0 | 2 | 18 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | | | | | |
| 7R | H | 5985 | 001166354 | FP | \$23710 | 6 | 3 | 6.66 | 1 | 3 | 0 | 3 | 0 | 3 | 3 | | 2/2 | 0/0 | 0/0 | 0/0 |
| 7R | E | 5895 | 001167501 | AZ | \$430 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | | | | | |
| 7R | H | 5821 | 001167531 | FP | \$31400 | 0 | 2 | 1.5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |

| COG | C | M | FSC | MLN | SMIC | PRICE | BCM | RPR | TAT | OLD | RQMT | ATTN | POOL | RP | RECH | RQMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|------|-----|------|------|------|----|------|------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | | | | | | CST | 14/28 | 14/28 |
| 7R | E | | 2915 | 001167578 | PQ | \$32010 | 1 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 3 | | | | |
| 7R | H | | 5841 | 001174086 | BP | \$1420 | 0 | 1 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 5895 | 001174115 | A2 | \$9940 | 1 | 2 | 4.5 | 3 | 3 | 1 | 0 | 5 | 5 | | | | |
| 7R | E | | 5895 | 001174118 | A2 | \$6660 | 5 | 2 | 16 | 2 | 2 | 3 | 1 | 4 | 4 | | 2/2 | 0/0 | 0/0 |
| 7R | H | | 5865 | 001174198 | BA | \$13780 | 0 | 1 | 20 | 0 | 0 | 0 | 1 | 1 | 1 | | | | |
| 7R | E | | 5826 | 001174629 | FP | \$11300 | 7 | 0 | 0 | 5 | 4 | 0 | 0 | 4 | 4 | | | | |
| 1R | D | | 4220 | 001186122 | LX | \$259 | 4 | 1 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | | 1/2 | 0/1 | 0/259 |
| 1R | D | | 2925 | 001186133 | PQ | \$270 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 5831 | 001186196 | BA | \$10040 | 0 | 1 | 15 | 4 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5831 | 001189016 | RP | \$1220 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5845 | 001189020 | BP | \$2090 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | | |
| 7R | E | | 5835 | 001195585 | BP | \$66610 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5835 | 001195672 | EP | \$5410 | 0 | 2 | 2.5 | 5 | 5 | 0 | 0 | 1 | 1 | | | | |
| 7R | H | | 5865 | 001195692 | EW | \$8150 | 11 | 4 | 3 | 5 | 5 | 5 | 0 | 5 | 5 | | 4/4 | 0/0 | 0/0 |
| 1R | D | | 5826 | 001195695 | FX | \$1400 | 0 | 3 | 7.33 | 1 | 0 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 2925 | 001195698 | PQ | \$1430 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 1560 | 001197275 | EP | \$7590 | 0 | 1 | 20 | 0 | 0 | 0 | 1 | 1 | 1 | | | | |
| 1R | D | | 2840 | 001218660 | SN | \$3210 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | | | | |
| 7R | E | | 2840 | 001219169 | PQ | \$98720 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5895 | 001232303 | BP | \$1530 | 3 | 0 | 0 | 7 | 1 | 1 | 0 | 3 | 3 | | | | |

| COG | C | M | FSC | MIIN | SWIC | PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RPR | RECM RQMT | 14/28 | | UP X |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|-------------|--------------|-----|--------------|-------|-----|---------|
| | | | | | | | | | | | | | | DAY | INC | 14/28 |
| | | | | | | | | | | | | | | OST | | |
| 7R | H | | 5841 | 001234811 | LC | \$1030 | 0 | 4 | 15.25 | 0 | 0 | 2 | 2 | | | |
| 7R | H | | 6130 | 001234813 | LC | \$2010 | 0 | 7 | 12 | 2 | 0 | 2 | 2 | | | |
| 7R | H | | 1650 | 001241579 | BP | \$4100 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 6605 | 001249037 | FP | \$1280 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 001259455 | EW | \$1440 | 0 | 1 | 3 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 1660 | 001259619 | FP | \$589 | 6 | 0 | 0 | 1 | 3 | 0 | 3 | | | |
| 7R | E | | 2840 | 001263077 | SN | \$16000 | 0 | 1 | 18 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 2840 | 001263078 | SN | \$15540 | 2 | 1 | 6 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 1560 | 001264054 | EP | \$40570 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2840 | 001281374 | PQ | \$4310 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 5845 | 001296521 | BP | \$6110 | 0 | 4 | 3.75 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 5841 | 001298170 | BP | \$941 | 0 | 3 | 7.66 | 2 | 0 | 1 | 1 | | | |
| 7R | H | | 5895 | 001323575 | FP | \$11170 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 001326831 | FP | \$3740 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 001326839 | FP | \$4330 | 0 | 5 | 4.6 | 0 | 0 | 1 | 1 | | | |
| 7R | E | | 5895 | 001331666 | FP | \$589 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5895 | 001331695 | FP | \$2660 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 001331703 | FP | \$1660 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 6610 | 001337868 | FZ | \$1430 | 4 | 0 | 0 | 0 | 2 | 0 | 2 | | | |
| 7R | H | | 5821 | 001339130 | EW | \$771 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |

| COG | C | FSC | NIN | UNIT | BCM | EPR | TAT | OLD | ATTR | RPT | RECH | 14/28 | | UP |
|-----|---|------|-----------|------|-----|-----|------|------|------|-----|------|-------|-------|-------|
| | | | | | | | | | | | | DAY | INC | X |
| | | | | SMIC | | | | ROUT | POOL | | | OST | 14/28 | 14/28 |
| 7R | H | 5895 | 001339179 | FP | 0 | 1 | 9 | 0 | 0 | 0 | 1 | | | |
| 7R | E | 5841 | 001339183 | LC | 1 | 46 | 4.15 | 18 | 0 | 3 | 3 | | | |
| 7R | H | 5821 | 001339603 | EP | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5865 | 001339939 | EW | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5865 | 001340266 | EW | 3 | 0 | 0 | - | - | - | - | | | |
| 7R | H | 5865 | 001340302 | EW | 1 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | E | 4920 | 001341325 | TX | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | |
| 7R | H | 5831 | 001341357 | EP | 0 | 1 | 1 | 1 | 0 | 0 | 1 | | | |
| 7R | E | 5821 | 001341530 | FP | 8 | 0 | 0 | 1 | 4 | 0 | 4 | | | |
| 7R | E | 5821 | 001346238 | FZ | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 5821 | 001346240 | FZ | 0 | 42 | 3.97 | 9 | 0 | 3 | 7 | | | |
| 7R | H | 5865 | 001350861 | EP | 2 | 1 | 1 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 5895 | 001359524 | FP | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 2840 | 001385542 | SW | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5826 | 001387799 | FP | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5826 | 001388153 | FP | 0 | 5 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 2840 | 001389329 | PQ | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | 2840 | 001389394 | PQ | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 5841 | 001389617 | BP | 3 | 19 | 1.94 | 2 | 1 | 1 | 2 | | | |
| 7R | H | 2840 | 001396094 | DQ | 20 | 0 | 0 | 16 | 7 | 0 | 7 | | | |

| COG | C | M | FSC | NTIN | UNIT | | ECM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | INC 14/28 | UP X INC 14/28 |
|-----|---|---|------|-----------|------|----------|-----|-----|-------|-------------|--------------|----|--------------|-------|-----|--------------|-------------------------|
| | | | | | SMIC | PRICE | | | | | | | | DAY | CST | | |
| 7R | H | | 6685 | 001400105 | FZ | \$938 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | | | | |
| 7R | E | | 5841 | 001401729 | CS | \$139320 | 0 | 3 | 9 | 6 | 0 | 1 | 2 | | | | |
| 7R | E | | 5821 | 001401775 | JZ | \$8780 | 0 | 3 | 7.33 | 1 | 0 | 1 | 2 | | | | |
| 7R | H | | 5998 | 001407844 | AZ | \$365 | 1 | 3 | 10.66 | 2 | 0 | 1 | 3 | | | | |
| 7R | H | | 5895 | 001407847 | AZ | \$272 | 0 | 4 | 7.75 | 1 | 0 | 1 | 3 | | | | |
| 7R | E | | 2620 | 001425161 | LC | \$651 | 23 | 0 | 0 | 20 | 7 | 0 | 7 | | | | |
| 1R | D | | 6615 | 001462274 | FP | \$673 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 2840 | 001465535 | SN | \$2240 | 5 | 0 | 0 | 0 | 1 | 0 | 2 | | | | |
| 7R | H | | 2840 | 001465536 | SN | \$900 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | | |
| 7R | H | | 5826 | 001476073 | TZ | \$677 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | | | |
| 7R | E | | 5826 | 001476074 | TZ | \$2170 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | | |
| 7R | H | | 5821 | 001485860 | EP | \$652 | 0 | 2 | 17.5 | 2 | 0 | 2 | 2 | | | | |
| 7R | E | | 5841 | 001486158 | WZ | \$977 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | | | | |
| 7R | H | | 5841 | 001486159 | WZ | \$1010 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5841 | 001486170 | WZ | \$1590 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 1650 | 001487565 | FP | \$34940 | 6 | 0 | 0 | 0 | 3 | 0 | 3 | | | | |
| 7R | E | | 6685 | 001488247 | LC | \$1500 | 11 | 6 | 6.83 | 2 | 3 | 2 | 5 | 4/4 | 1/1 | 1500/1500 | |
| 7R | E | | 2925 | 001490760 | SN | \$25820 | 1 | 0 | 0 | 1 | 0 | 0 | 9 | | | | |
| 7R | E | | 5895 | 001491319 | AZ | \$7820 | 3 | 55 | 3.45 | 15 | 2 | 3 | 5 | | | | |
| 7R | H | | 5985 | 001491451 | EX | \$741 | 8 | 0 | 0 | 1 | 2 | 0 | 2 | | | | |

| COG | C | M | FSC | NIIN | UNIT | SMIC | PRICE | BCH | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-------|-----|------|-----|-----|------|------|----|------|-------|-----|---------|
| | | | | | | | | | | | | | | | | DAY | CST | |
| 7R | E | | 5826 | 001525089 | TZ | \$5900 | 5 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | | | |
| 7R | H | | 5826 | 001525090 | TZ | \$1770 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 5826 | 001525091 | TZ | \$3430 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 5826 | 001525092 | TZ | \$1280 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 5826 | 001525095 | TZ | \$4850 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 5821 | 001554571 | FP | \$3910 | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 001559483 | EW | \$1580 | 0 | 2 | 10.5 | 1 | 0 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 5841 | 001564428 | FP | \$7360 | 0 | 1 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5821 | 001564933 | EX | \$11040 | 11 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 4 | | | |
| 7R | H | | 5841 | 001565481 | BP | \$7070 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5821 | 001568597 | FP | \$33150 | 1 | 10 | 7.7 | 1 | 0 | 2 | 2 | 2 | 2 | | | |
| 7R | E | | 5865 | 001574009 | FP | \$2030 | 0 | 6 | 12 | 4 | 0 | 2 | 2 | 2 | 2 | | | |
| 1R | D | | 5826 | 001602136 | EX | \$106 | 3 | 21 | 10 | 10 | 0 | 2 | 34 | | | | | |
| 7R | H | | 5895 | 001604014 | BP | \$493 | 5 | 1 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | | 2/2 | 1/1 |
| 7R | H | | 5865 | 001622954 | EP | \$652 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 12 | | | 493/493 |
| 1R | D | | 4820 | 001635301 | FN | \$541 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 6130 | 001644224 | FZ | \$2590 | 2 | 11 | 4.36 | 7 | 0 | 2 | 2 | 2 | 2 | | | |
| 7R | E | | 6610 | 001655827 | FZ | \$7710 | 25 | 0 | 0 | 8 | 10 | 0 | 0 | 10 | 10 | | | |
| 7R | E | | 6610 | 001655838 | FZ | \$5110 | 3 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 6655 | 001680394 | BP | \$8670 | 0 | 5 | 8.6 | 3 | 0 | 1 | 1 | 1 | 1 | | | |

493/493

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2/2

| COG | C | FSC | NTIN | UNIT | BCN | RPR | TNT | OLD | ATTR | RPT | RECH | 14/28 | | UP |
|-----|---|------|-----------|-------------|-----|-----|------|-----|------|-----|------|-------|-------|-------|
| | | | | | | | | | | | | DAY | INC | X |
| | | | | SMIC PRICE | | | | RMT | POOL | | RMT | CST | 14/28 | 14/28 |
| 7R | E | 5841 | 001683486 | FP \$102170 | 0 | 4 | 10.5 | 1 | 0 | 1 | 1 | | | |
| 7R | E | 5841 | 001683487 | FP \$40680 | 1 | 1 | 20 | 1 | 1 | 0 | 1 | | | |
| 7R | E | 5841 | 001683489 | FP \$77400 | 1 | 2 | .5 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 5895 | 001683591 | BP \$7940 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5895 | 001683631 | FZ \$3420 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 6115 | 001683744 | 2X \$3490 | 5 | 2 | 2 | 12 | 2 | 0 | 2 | 2/2 | 0/0 | 0/0 |
| 7R | H | 5841 | 001687693 | FP \$3850 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 001687894 | FP \$4160 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5841 | 001687897 | FP \$15170 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 001687899 | BP \$7330 | 0 | 3 | 1.33 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5826 | 001688308 | FZ \$1810 | 0 | 2 | .5 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 001688367 | BP \$1930 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5826 | 001688769 | TZ \$34780 | 0 | 12 | 8.75 | 2 | 0 | 2 | 2 | | | |
| 7R | H | 5826 | 001688771 | TZ \$668 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 5831 | 001688789 | BP \$2550 | 1 | 10 | 5 | 3 | 0 | 2 | 2 | | | |
| 7R | E | 6615 | 001691355 | FP \$3080 | 16 | 0 | 0 | 5 | 8 | 0 | 8 | | | |
| 7R | E | 6615 | 001691356 | FP \$3170 | 5 | 0 | 0 | 2 | 3 | 0 | 3 | | | |
| 7R | H | 2840 | 001697488 | SN \$3110 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5865 | 001726091 | EW \$16460 | 0 | 24 | 4.95 | 9 | 0 | 2 | 2 | | | |
| 7R | H | 5865 | 001726092 | EP \$2790 | 0 | 1 | 1 | 5 | 0 | 0 | 1 | | | |

UP
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14/28

14/28
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PRICE

SMIC

MIIN

FSC

COG C

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| | | | | | | | | | | | | |
|----|---|------|-----------|----|---------|----|----|------|----|----|---|----|
| 7R | H | 5865 | 001726112 | EP | \$11830 | 0 | 15 | 2.46 | 9 | 0 | 2 | 5 |
| 7R | H | 4110 | 001737438 | EP | \$10530 | 3 | 0 | 0 | 2 | 2 | 0 | 2 |
| 7R | H | 5895 | 001744444 | FP | \$9120 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| 7R | E | 1650 | 001761954 | BP | \$2600 | 2 | 0 | 0 | 1 | 1 | 0 | 1 |
| 7R | H | 1610 | 001763258 | BP | \$2260 | 1 | 17 | 8.64 | 1 | 0 | 2 | 2 |
| 7R | E | 5826 | 001771484 | FX | \$9010 | 0 | 6 | 4 | 1 | 0 | 1 | 1 |
| 7R | E | 6125 | 001774611 | FZ | \$1950 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 7R | H | 6615 | 001792349 | BF | \$1660 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 7R | H | 5845 | 001793212 | BP | \$8330 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 7R | H | 5845 | 001793276 | BP | \$1470 | 0 | 1 | 4 | 0 | 0 | 0 | 0 |
| 1R | D | 5820 | 001793935 | FP | \$954 | 0 | 7 | 1.71 | 1 | 0 | 0 | 0 |
| 7R | H | 5865 | 001794692 | BP | \$3030 | 0 | 8 | 1.37 | 10 | 0 | 0 | 0 |
| 7R | E | 5865 | 001794693 | BP | \$6030 | 2 | 89 | 3.62 | 16 | 0 | 4 | 4 |
| 7R | E | 2915 | 001800982 | SN | \$11940 | 3 | 0 | 0 | 1 | 0 | 0 | 3 |
| 7R | H | 5831 | 001807999 | EP | \$6600 | 0 | 4 | 1 | 0 | 0 | 0 | 0 |
| 7R | E | 5821 | 001808250 | JZ | \$1020 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 7R | E | 6610 | 001811746 | FZ | \$2020 | 4 | 0 | 0 | 1 | 2 | 0 | 2 |
| 7R | E | 6615 | 001812334 | FZ | \$6970 | 5 | 0 | 0 | 6 | 1 | 0 | 1 |
| 1R | D | 1560 | 001825664 | BP | \$102 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 7R | E | 6615 | 001827698 | BP | \$12160 | 26 | 3 | 0 | 15 | 11 | 0 | 11 |

| COG | C | M | FSC | NTIN | SMIC | PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP | |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|-------------|--------------|----|--------------|-------|-----|-----|-------|
| | | | | | | | | | | | | | | DAY | OCT | INC | 14/28 |
| 7R | E | | 6615 | 001827733 | FZ | \$8960 | 27 | 3 | .66 | 14 | 10 | 0 | 10 | 9/10 | 0/0 | 0/0 | 0/0 |
| 7R | E | | 6610 | 001830664 | FZ | \$1100 | 2 | 0 | 0 | 7 | 1 | 0 | 1 | | | | |
| 7R | E | | 4310 | 001860710 | AZ | \$1940 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | | | | |
| 7R | E | | 5895 | 001923597 | EX | \$11130 | 0 | 2 | 3.5 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 1610 | 001937850 | BP | \$2830 | 0 | 20 | 2.9 | 1 | 0 | 2 | 2 | | | | |
| 7R | H | | 1610 | 001937852 | BP | \$1870 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 1660 | 001952729 | LC | \$1380 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | | | | |
| 7R | H | | 5826 | 001956415 | FX | \$2000 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 5998 | 001977585 | FP | \$185 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 5998 | 001977604 | FP | \$439 | 0 | 2 | .5 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5865 | 002004705 | EP | \$4610 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | | | | |
| 7R | H | | 5831 | 002006766 | EP | \$1310 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5831 | 002006783 | EP | \$3820 | 0 | 7 | 3.71 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 5865 | 002019263 | EP | \$5880 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | | | | |
| 7R | H | | 2915 | 002037942 | BA | \$1220 | 2 | 0 | 0 | 7 | 1 | 0 | 1 | | | | |
| 7R | E | | 4810 | 002038054 | FN | \$900 | 0 | 1 | 20 | 7 | 0 | 1 | 1 | | | | |
| 7R | H | | 2915 | 002041572 | GA | \$1100 | 0 | 3 | 13.66 | 7 | 0 | 2 | 2 | | | | |
| 7R | E | | 1610 | 002097984 | LC | \$17630 | 0 | 6 | 4.33 | 2 | 0 | 1 | 1 | | | | |
| 7R | H | | 5841 | 002127526 | FX | \$164 | 0 | 2 | 1.5 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 7035 | 002150102 | BP | \$8690 | 1 | 1 | 3 | 1 | 0 | 0 | 0 | | | | |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCM | RPR | TNT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|------|-------------|--------------|----|--------------|-------|-------|-------|
| | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | | OST | 14/28 | 14/28 |
| 7R | E | | 5895 | 002765469 | FP | \$20090 | 0 | 2 | 5.5 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 002765480 | FP | \$1020 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 002777384 | FP | \$14850 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 002831668 | BP | \$1250 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 4820 | 002880595 | SN | \$1480 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 4140 | 002894277 | LC | \$456 | 0 | 13 | 3.38 | 1 | 0 | 2 | 2 | | | |
| 7R | E | | 2915 | 003013364 | DQ | \$4080 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 1650 | 003051674 | BA | \$510 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | | | |
| 7R | H | | 1650 | 003051681 | BA | \$573 | 0 | 1 | 20 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 5826 | 003094185 | FX | \$1120 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 6615 | 003158625 | LC | \$4650 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6645 | 003188861 | BA | \$1050 | 10 | 0 | 0 | 8 | 4 | 0 | 4 | | | |
| 7R | H | | 6680 | 003191710 | BP | \$887 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6680 | 003191711 | BP | \$795 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 6680 | 003191722 | BP | \$912 | 0 | 6 | 2 | 5 | 0 | 0 | 0 | | | |
| 7R | E | | 6680 | 003191723 | BP | \$1050 | 3 | 3 | 1 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 5826 | 003230206 | FZ | \$485 | 0 | 3 | .66 | 4 | 0 | 0 | 0 | | | |
| 7R | H | | 6340 | 003247612 | DX | \$569 | 0 | 3 | .66 | 4 | 0 | 0 | 0 | | | |
| 7R | H | | 1650 | 003306212 | BA | \$1200 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1610 | 003323851 | BP | \$15010 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | NIIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | BP | RECH | 14/28 | | UP |
|-----|---|------|-----------|------|---------|------|-------|------|-----|-----|-----|------|-----|------|-------|-----|-------|
| | | | | | | | | | | | | | | | DAY | OCT | INC |
| COG | C | M | FSC | NIIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | BP | RECH | 14/28 | | UP |
| | | | | | | | | | | | | | | | DAY | OCT | INC |
| 7R | H | 6615 | 003346724 | BA | \$1270 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | 14/28 |
| 7R | H | 6615 | 003346725 | BA | \$1310 | 0 | 3 | .66 | 1 | 0 | 0 | 0 | 0 | 0 | | | X |
| 7R | H | 2925 | 003355994 | FN | \$2780 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | 1 | | | 14/28 |
| 7R | H | 1660 | 003392195 | LC | \$5770 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 6105 | 003420656 | BP | \$1510 | 4 | 0 | 0 | 1 | 3 | 0 | 3 | 0 | 3 | | | |
| 1R | D | 5841 | 003422116 | EX | \$199 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 003422329 | FX | \$723 | 1 | 2 | 1.5 | 1 | 1 | 1 | 0 | 1 | 1 | | | |
| 1R | D | 1560 | 003427602 | BA | \$5740 | 0 | 3 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 1650 | 003461293 | BA | \$633 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6615 | 003483842 | UX | \$10640 | 6 | 1 | 0 | 1 | 2 | 0 | 2 | 0 | 2 | | | |
| 7R | E | 1630 | 003707322 | BA | \$6000 | 8 | 12 | 1.91 | 23 | 3 | 1 | 4 | 0/0 | 0/0 | 3/3 | 0/0 | 0/0 |
| 7R | H | 6615 | 003710392 | UX | \$381 | 0 | 2 | 10.5 | 1 | 0 | 1 | 1 | 1 | 1 | | | |
| 7R | H | 6615 | 003710544 | BA | \$1950 | 0 | 4 | 9.5 | 1 | 0 | 2 | 2 | 2 | 2 | | | |
| 7R | H | 1620 | 003738044 | LC | \$1230 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 1730 | 003932886 | BP | \$2110 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5845 | 004003272 | BP | \$908 | 0 | 4 | 12.5 | 1 | 0 | 2 | 2 | 2 | 2 | | | |
| 7R | E | 6130 | 004003274 | BP | \$13990 | 0 | 8 | 13 | 1 | 0 | 2 | 2 | 2 | 2 | | | |
| 1R | D | 6130 | 004003282 | BP | \$3410 | 0 | 3 | 9.66 | 0 | 0 | 1 | 1 | 1 | 1 | | | |
| 7R | H | 6130 | 004003301 | BP | \$4220 | 0 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6130 | 004003303 | BP | \$514 | 0 | 2 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | NIIN | SMIC | PRICE | UNIT | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP X |
|-----|---|---|------|-----------|------|---------|------|-----|-----|------|-------------|--------------|----|--------------|-------|-------|---------|
| | | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | | | | OCT | 14/28 | 14/28 |
| 7R | H | | 6130 | 004003304 | BP | \$1890 | | 1 | 1 | 4 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6130 | 004003305 | BP | \$993 | | 0 | 4 | 11.5 | 0 | 0 | 2 | 2 | | | |
| 1R | D | | 6130 | 004003306 | BP | \$648 | | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5845 | 004003322 | BP | \$2300 | | 0 | 1 | 2 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 5985 | 004009548 | FZ | \$2620 | | 2 | 1 | 7 | 2 | 1 | 0 | 1 | | | |
| 7R | H | | 5865 | 004014921 | FP | \$60110 | | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 1680 | 004037549 | FP | \$467 | | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 4820 | 004041982 | PQ | \$269 | | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 6110 | 004046165 | FP | \$1630 | | 0 | 1 | 20 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6110 | 004046166 | FP | \$1630 | | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 6615 | 004048073 | FP | \$10270 | | 0 | 10 | 7.8 | 4 | 0 | 2 | 2 | | | |
| 7R | H | | 5821 | 004098411 | BP | \$3190 | | 0 | 2 | 21 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 1650 | 004100874 | LC | \$4150 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5845 | 004201318 | BP | \$2090 | | 0 | 4 | 4.25 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 004201323 | BP | \$2200 | | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 004201326 | BP | \$2490 | | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 5845 | 004201328 | BP | \$3070 | | 0 | 9 | 5.55 | 3 | 0 | 2 | 2 | | | |
| 7R | H | | 5845 | 004201329 | BP | \$8270 | | 0 | 2 | .5 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 004201355 | BP | \$1010 | | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 004201374 | BP | \$7490 | | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |

| COG | C | FSC | NIIN | UNIT | BCM | RPR | TAT | OLD | ATTR | POOL | RP | RECM | 14/28 | INC | UP |
|-----|---|-----|------|------------|-----|-----|-----|------|------|------|----|------|-------|-------|-------|
| | | | | SMIC PRICE | | | | ROMT | | | | ROMT | DAY | 14/28 | X |
| | | | | | | | | | | | | | OCT | | INC |
| | | | | | | | | | | | | | | | 14/28 |

| | | | | | | | | | | | | | | | |
|----|---|------|-----------|----|---------|---|----|-------|----|---|---|----|--|--|--|
| 7R | E | 5845 | 004201383 | BP | \$37330 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 2835 | 004205512 | BP | \$1270 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 1R | D | 2910 | 004205513 | BP | \$230 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | | | |
| 7R | E | 5845 | 004214560 | BP | \$12060 | 0 | 11 | 9.54 | 3 | 0 | 2 | 2 | | | |
| 7R | H | 6130 | 004215314 | RZ | \$9640 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 6625 | 004217687 | BP | \$508 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 1680 | 004265616 | LC | \$2900 | 2 | 3 | 13.33 | 0 | 0 | 2 | 2 | | | |
| 7R | H | 5998 | 004323193 | EW | \$889 | 0 | 2 | 1.5 | 3 | 0 | 0 | 3 | | | |
| 7R | H | 5821 | 004333274 | FP | \$2140 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 1R | D | 6615 | 004333510 | FP | \$423 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 1660 | 00433936 | CX | \$282 | 3 | 1 | 4 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 5998 | 004338977 | EW | \$1830 | 0 | 6 | 4.83 | 13 | 0 | 1 | 20 | | | |
| 7R | H | 5998 | 004338978 | EW | \$787 | 0 | 2 | 3 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5821 | 004344441 | EP | \$58950 | 0 | 1 | 20 | 5 | 0 | 1 | 1 | | | |
| 7R | H | 5895 | 004378164 | FP | \$1460 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 5831 | 004384654 | BP | \$10680 | 1 | 39 | 1.76 | 2 | 0 | 2 | 2 | | | |
| 7R | H | 1610 | 004397915 | QX | \$423 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | 2995 | 004451045 | FW | \$1570 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | | | |
| 7R | H | 6680 | 004467704 | BA | \$1500 | 7 | 0 | 0 | 10 | 3 | 0 | 3 | | | |
| 7R | H | 5841 | 004487169 | LC | \$2090 | 3 | 2 | .5 | 1 | 1 | 0 | 1 | | | |

| COG | C | M | FSC | NLIN | SMIC | UNIT PRICE | BCM | RFR | TAT | OLD RQMT | ATTR POOL | RFP | RQMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|------------|-----|-----|-------|----------|-----------|-----|------|-------|-------|-------|
| | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | | | OCT | 14/28 | 14/28 |
| 7R | H | | 5841 | 004487170 | LC | \$920 | 0 | 4 | 10.25 | 1 | 0 | 2 | 2 | | | |
| 7R | H | | 5841 | 004487171 | LC | \$988 | 0 | 8 | 12.62 | 1 | 0 | 2 | 2 | | | |
| 7R | H | | 5865 | 004503907 | FP | \$2640 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5865 | 004503916 | FP | \$819 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6130 | 004503928 | FP | \$13710 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5865 | 004503930 | FP | \$6580 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5865 | 004503938 | FP | \$10670 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 6685 | 004504489 | LC | \$807 | 4 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 5990 | 004507304 | FP | \$1640 | 0 | 13 | 9.23 | 2 | 0 | 2 | 2 | | | |
| 7R | H | | 5841 | 004536003 | FP | \$5800 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5998 | 004559903 | BP | \$6770 | 0 | 44 | 2.75 | 5 | 0 | 2 | 2 | | | |
| 7R | H | | 5998 | 004559904 | BP | \$5370 | 1 | 2 | 1.5 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5841 | 004562243 | FP | \$4620 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5895 | 004581363 | FX | \$8180 | 1 | 40 | 6.37 | 6 | 0 | 3 | 3 | | | |
| 7R | H | | 6130 | 004588372 | FP | \$4800 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 6610 | 004594578 | FP | \$11660 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 5960 | 004612604 | FP | \$7720 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 6130 | 004615371 | FP | \$2680 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 6110 | 004629698 | BP | \$972 | 0 | 13 | 3.38 | 1 | 0 | 2 | 2 | | | |
| 7R | H | | 5821 | 004646280 | FP | \$1820 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | MLIN | SMIC | PRICE | BCM | RPR | TAT | OLD RMT | ATTR POOL | RP | RECM RMT | 14/28 | | UP X |
|-----|---|---|------|-----------|------|--------|-----|-----|-------|------------|--------------|----|-------------|-------|-------|---------|
| | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | | | OST | 14/28 | 14/28 |
| 7R | H | | 5821 | 004646288 | FP | \$1170 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2915 | 004646938 | DQ | \$2610 | 5 | 0 | 0 | 6 | 2 | 0 | 2 | | | |
| 7R | E | | 2915 | 004646946 | DQ | \$3000 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 5895 | 004650429 | FP | \$842 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2995 | 004708080 | LC | \$3420 | 11 | 0 | 0 | 1 | 3 | 0 | 3 | | | |
| 7R | E | | 6625 | 004713174 | AZ | \$2340 | 7 | 10 | .4 | 9 | 4 | 0 | 4 | | 0/0 | 0/0 |
| 7R | E | | 1680 | 004757338 | BA | \$1370 | 0 | 1 | 1 | 7 | 0 | 0 | 0 | | | |
| 1R | D | | 1660 | 004759979 | DA | \$363 | 1 | 4 | 3.75 | 21 | 0 | 0 | 0 | | | |
| 7R | E | | 5985 | 004760538 | FZ | \$2530 | 0 | 7 | 3.85 | 8 | 0 | 1 | 1 | | | |
| 1R | D | | 2990 | 004779868 | SX | \$466 | 0 | 1 | 16 | 1 | 0 | 0 | 1 | | | |
| 1R | D | | 5945 | 004802059 | RX | \$266 | 0 | 1 | 20 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 5821 | 004805945 | FP | \$791 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 5895 | 004811477 | AZ | \$975 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 5895 | 004815003 | AZ | \$575 | 2 | 3 | 15.33 | 0 | 0 | 2 | 2 | | | |
| 1R | D | | 1560 | 004838716 | BP | \$593 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6680 | 004860549 | EQ | \$3880 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 1660 | 004874531 | BP | \$668 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6110 | 004874552 | FP | \$1350 | 0 | 1 | 12 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 5895 | 004898673 | FP | \$2620 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | | | |
| 7R | H | | 5821 | 004915648 | FP | \$1820 | 0 | 1 | 13 | 1 | 0 | 0 | 0 | | | |

| COG | C | M | C | FSC | NTIN | SMIC | PRICE | BCM | EPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP X |
|-----|---|---|---|------|-----------|------|---------|-----|-----|------|-------------|--------------|----|--------------|-------|-----|---------|
| | | | | | | | | | | | | | | | DAY | OST | |
| 1R | D | | | 6110 | 004915788 | FP | \$152 | 0 | 4 | 3.25 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | | 4810 | 004917893 | TX | \$869 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | | 2840 | 004918988 | SN | \$2110 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | | 5821 | 004940784 | FP | \$2800 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | | 5835 | 004947196 | BP | \$863 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | | 4920 | 004973098 | AZ | \$449 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | | 8120 | 004974692 | LC | \$177 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | | 6110 | 005004189 | BA | \$1050 | 0 | 3 | 1.33 | 5 | 0 | 0 | 0 | | | |
| 7R | H | | | 5985 | 005019430 | EP | \$16490 | 0 | 6 | 1 | 12 | 0 | 0 | 2 | | | |
| 7R | E | | | 5826 | 005050992 | EX | \$1540 | 4 | 36 | 4.3 | 7 | 1 | 3 | 4 | | | |
| 7R | H | | | 5826 | 005051675 | EX | \$103 | 0 | 7 | 6.14 | 1 | 0 | 2 | 2 | | | |
| 7R | H | | | 5895 | 005051772 | LC | \$606 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | | 5826 | 005051873 | EX | \$159 | 1 | 2 | 1 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | | 5841 | 005052785 | FX | \$461 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | | 5826 | 005053094 | FZ | \$1230 | 0 | 2 | 0 | 4 | 0 | 0 | 1 | | | |
| 7R | E | | | 5826 | 005053140 | FZ | \$1160 | 7 | 0 | 0 | 7 | 2 | 0 | 2 | | | |
| 7R | H | | | 5826 | 005071381 | EX | \$173 | 1 | 9 | 6 | 1 | 0 | 2 | 2 | | | |
| 1R | D | | | 5945 | 005081815 | RX | \$231 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | | 1650 | 005087109 | LC | \$1110 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | | 5865 | 005103795 | BA | \$4650 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| COG | C | FSC | NTIN | UNIT | | RPR | TNT | OLD | ATTR | RPM | 14/28 | | UP |
|-----|---|------|-----------|------|---------|-----|-----|------|------|-----|-------|-------|-------|
| | | | | SMIC | PRICE | | | | | | DAY | INC | |
| | | | | | | | | RQMT | POOL | RP | OCT | 14/28 | 14/28 |
| 7R | E | 5841 | 005103947 | BP | \$39300 | 2 | 1 | 1 | 1 | 0 | 1 | | |
| 7R | H | 1630 | 005105461 | LC | \$528 | 2 | 0 | 1 | 1 | 0 | 1 | | |
| 7R | H | 1650 | 005113192 | BA | \$1460 | 1 | 1 | 4 | 0 | 1 | 1 | | |
| 7R | H | 5826 | 005119023 | KZ | \$1690 | 0 | 1 | 0 | 0 | 0 | 0 | | |
| 7R | H | 1650 | 005125933 | BA | \$1760 | 1 | 0 | 0 | 0 | 0 | 0 | | |
| 7R | H | 1650 | 005125949 | BA | \$2510 | 2 | 1 | 4 | 1 | 0 | 1 | | |
| 7R | H | 5990 | 005126367 | EX | \$720 | 0 | 3 | 15 | 1 | 0 | 4 | | |
| 7R | E | 6610 | 005153324 | FZ | \$1070 | 2 | 0 | 1 | 1 | 0 | 1 | | |
| 7R | E | 6605 | 005154834 | FZ | \$2060 | 13 | 0 | 17 | 6 | 0 | 6 | | |
| 7R | H | 5865 | 005162872 | BA | \$42130 | 1 | 20 | 5 | 0 | 0 | 0 | | |
| 1R | D | 1680 | 005167279 | YX | \$688 | 1 | 0 | 0 | 0 | 0 | 0 | | |
| 1R | D | 1670 | 005169994 | BA | \$726 | 33 | 0 | 14 | 6 | 0 | 6 | | |
| 7R | E | 2620 | 005171263 | BA | \$334 | 25 | 0 | 24 | 9 | 0 | 9 | | |
| 7R | H | 5825 | 005195849 | EX | \$402 | 2 | 0 | 6 | 1 | 0 | 1 | | |
| 7R | E | 6615 | 005214893 | LC | \$1100 | 12 | 0 | 1 | 4 | 0 | 4 | | |
| 7R | E | 5960 | 005239752 | BP | \$3390 | 5 | 0 | 3 | 3 | 0 | 3 | | |
| 7R | H | 6615 | 005240202 | FP | \$4290 | 0 | 1 | 1 | 0 | 0 | 0 | | |
| 7R | E | 6615 | 005240245 | BP | \$14970 | 2 | 0 | 3 | 1 | 0 | 1 | | |
| 1R | D | 6615 | 005240246 | BP | \$2100 | 0 | 1 | 0 | 0 | 0 | 0 | | |
| 7R | E | 6615 | 005240249 | FP | \$10930 | 0 | 2 | 11 | 1 | 0 | 1 | | |

| COG | C | FSC | NIIN | SMIC | PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 DAY CST | INC 14/28 | UP X INC 14/28 |
|-----|---|------|-----------|------|---------|-----|-----|-----|-------------|--------------|----|--------------|---------------------|--------------|-------------------------|
| | | | | | | | | | | | | | | | |
| 1R | D | 6615 | 005240263 | BP | \$190 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 4820 | 005248443 | DA | \$260 | 1 | 2 | 20 | 4 | 0 | 2 | 2 | | | |
| 7R | H | 6610 | 005268361 | UX | \$2520 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | | | |
| 7R | E | 4810 | 005283666 | DQ | \$564 | 5 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 2915 | 005323560 | BA | \$703 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 7R | H | 5821 | 005336182 | BP | \$3630 | 4 | 0 | 0 | 0 | 3 | 0 | 3 | | | |
| 1R | D | 5826 | 005356629 | LC | \$2576 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 2840 | 005364742 | SN | \$3880 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 6125 | 005388785 | EX | \$442 | 19 | 0 | 0 | 1 | 6 | 0 | 6 | | | |
| 7R | H | 1650 | 005400162 | LC | \$4920 | 4 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 5865 | 005401774 | BA | \$1690 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 2995 | 005401922 | CS | \$6830 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 4810 | 005402106 | DQ | \$1150 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 1670 | 005405851 | LX | \$389 | 8 | 1 | 1 | 4 | 3 | 0 | 3 | 3/3 | 0/0 | 0/0 |
| 1R | D | 4820 | 005410445 | BA | \$144 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 005431331 | FX | \$332 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | | | |
| 1R | D | 6220 | 005480008 | DX | \$554 | 0 | 2 | 6.5 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 6620 | 005519948 | UX | \$1030 | 2 | 2 | 0 | 4 | 1 | 0 | 1 | | | |
| 7R | H | 5826 | 005521288 | EX | \$1050 | 6 | 0 | 0 | 0 | 2 | 0 | 2 | | | |
| 7R | H | 5865 | 005524595 | BA | \$85480 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | N/IN | UNIT | BCM | RPR | TAT | OLD | ATTR | RPR | RECH | 14/28 | | UP |
|-----|---|---|-------|-----------|------------|-----|-----|------|------|------|-----|------|-------|-------|-------|
| | | | | | | | | | | | | | DAY | INC | X |
| | | | | | SMIC PRICE | | | | RCMT | POOL | | RCMT | CST | 14/28 | 14/28 |
| 7R | H | | 6685 | 005534726 | DH \$904 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | | | |
| 1R | D | | 6105 | 005538519 | BA \$734 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 6620 | 005538827 | FZ \$2110 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 1R | D | | 2925 | 005555349 | DX \$310 | 4 | 0 | 0 | 0 | 1 | 0 | 2 | | | |
| 7R | H | | 6620 | 005573023 | FZ \$1050 | 2 | 0 | 0 | 4 | 2 | 0 | 2 | | | |
| 7R | H | | 6610 | 005580480 | UX \$1600 | 6 | 2 | 1.5 | 4 | 2 | 0 | 2 | 2/2 | 0/0 | 0/0 |
| 7R | H | | 5821 | 005623480 | EX \$1470 | 1 | 1 | 4 | 1 | 1 | 0 | 1 | | | |
| 1R | D | | 1660 | 005623979 | BA \$281 | 5 | 3 | 2 | 8 | 2 | 0 | 2 | 2/2 | 0/0 | 0/0 |
| 7R | H | | 1650 | 005625277 | BA \$2810 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | | | |
| 7R | H | | 1630 | 005641568 | BA \$1600 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 6615 | 005660331 | BP \$5130 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 2915 | 005660334 | BP \$3850 | 7 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | E | | 1680 | 005660336 | BP \$9260 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 2935 | 005660337 | BP \$10320 | 4 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 51821 | 005662980 | JZ \$1180 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | | | |
| 7R | E | | 5821 | 005674549 | JZ \$2000 | 4 | 0 | 0 | 1 | 1 | 0 | 2 | | | |
| 7R | H | | 1650 | 005684659 | BA \$8150 | 0 | 1 | 14 | 5 | 0 | 0 | 0 | | | |
| 7R | E | | 6605 | 005730326 | FZ \$6000 | 4 | 14 | 8.07 | 5 | 2 | 2 | 4 | 1/2 | 0/0 | 0/0 |
| 1R | D | | 6680 | 005735806 | RP \$868 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 6685 | 005737407 | SX \$2680 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| M C COG | C | FSC | NTIN | UNIT | | BCM | RFR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP |
|---------------|---|-----|------|------|-------|-----|-----|-----|-------------|--------------|----|--------------|-------|-----|----|
| | | | | SMIC | PRICE | | | | | | | | DAY | INC | |
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| COG | C | FSC | NIN | UNIT | BCM | RPR | TAT | OLD | ATTN | RPT | RMT | 14/28 | | UP |
|-----|---|------|-----------|------|---------|-----|-----|------|------|-----|-----|-------|-----|----|
| | | | | | | | | | | | | DAY | OST | |
| 7R | H | 2840 | 006053213 | SN | \$4940 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | |
| 7R | H | 6615 | 006058496 | LC | \$19070 | 1 | 32 | 7.12 | 1 | 0 | 3 | 3 | | |
| 7R | E | 1560 | 006078103 | BA | \$12810 | 1 | 7 | 2 | 6 | 0 | 0 | 0 | | |
| 7R | H | 1660 | 006086953 | BA | \$1140 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | | |
| 7R | H | 2935 | 006086974 | BA | \$1390 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | | |
| 7R | H | 2840 | 006087627 | DQ | \$695 | 1 | 3 | .66 | 1 | 0 | 0 | 0 | | |
| 7R | H | 1660 | 006095593 | BA | \$1560 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | | |
| 1R | D | 1560 | 006105190 | BA | \$607 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | |
| 7R | H | 1650 | 006122696 | LC | \$7200 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | |
| 7R | H | 1560 | 006133155 | BA | \$11780 | 1 | 1 | 3 | 4 | 0 | 0 | 0 | | |
| 7R | H | 1630 | 006140640 | BA | \$687 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | | |
| 7R | H | 1560 | 006203206 | BA | \$1820 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | |
| 7R | H | 1560 | 006204230 | BA | \$5220 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | |
| 7R | H | 1560 | 006204231 | BA | \$7640 | 0 | 2 | 2.5 | 4 | 0 | 0 | 0 | | |
| 7R | H | 6685 | 006212906 | LC | \$215 | 6 | 1 | 0 | 1 | 2 | 0 | 2 | | |
| 7R | H | 1610 | 006227973 | BP | \$1040 | 0 | 4 | .75 | 1 | 0 | 0 | 0 | | |
| 1R | D | 5841 | 006236246 | BP | \$1800 | 0 | 1 | 8 | 1 | 0 | 0 | 0 | | |
| 7R | H | 6130 | 006258208 | CS | \$3950 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | |
| 7R | H | 5895 | 006258227 | CS | \$1010 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 7R | H | 1630 | 006258396 | LC | \$137 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | |

| COG | C | M | FSC | NIIN | UNIT | BCM | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|--------|-----|-----|------|------|------|----|------|-------|-------|-------|
| | | | | | SMIC | PRICE | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | ROUT | OST | 14/28 | 14/28 |
| 7R | H | | 1630 | 006258399 | LC | \$456 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 5826 | 006259201 | EX | \$740 | 0 | 20 | 3.75 | 9 | 0 | 2 | 4 | | | |
| 7R | E | | 2915 | 006263123 | DQ | \$842 | 3 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | H | | 2935 | 006278425 | BA | \$4290 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 5865 | 006283655 | EP | \$4100 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 6105 | 006287433 | LC | \$1170 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 1650 | 006288280 | BA | \$1690 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1650 | 006288282 | BA | \$1690 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | | | |
| 7R | H | | 1650 | 006288299 | BA | \$2100 | 0 | 1 | 20 | 4 | 0 | 1 | 1 | | | |
| 1R | D | | 1560 | 006288400 | BA | \$158 | 0 | 12 | 2.66 | 9 | 0 | 1 | 1 | | | |
| 7R | H | | 1650 | 006288507 | BA | \$822 | 1 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 1R | D | | 1620 | 006288542 | BA | \$1330 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 2840 | 006299195 | DQ | \$1820 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 6620 | 006308812 | DA | \$2830 | 4 | 0 | 0 | 8 | 2 | 0 | 2 | | | |
| 7R | H | | 4820 | 006309302 | BA | \$1390 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 7R | H | | 2915 | 006327932 | LC | \$878 | 4 | 1 | 0 | 1 | 1 | 0 | 1 | | | |
| 1R | D | | 2840 | 006328153 | DQ | \$148 | 1 | 1 | 20 | 1 | 0 | 0 | 0 | | | |
| 1R | D | | 2840 | 006328154 | DQ | \$161 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 1650 | 006331394 | BA | \$1530 | 11 | 0 | 0 | 7 | 4 | 0 | 4 | | | |
| 7R | H | | 6685 | 006334265 | PQ | \$1610 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |

| COG | C | M | FSC | MIIN | SMIC | PRICE | BCM | RFR | TAT | OLD | ATTR | POOL | RP | RECM | 14/28 | | UP |
|-----|---|---|------|-----------|------|--------|-----|-----|------|-----|------|------|----|------|-------|-----|--------|
| | | | | | | | | | | | | | | | DAY | OST | |
| 7R | E | | 6620 | 006336850 | BA | \$2060 | 20 | 0 | 0 | 10 | 7 | 0 | 0 | 7 | | | X |
| 7R | H | | 6125 | 006358795 | EX | \$326 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 1680 | 006408819 | XX | \$1340 | 1 | 0 | 0 | 5 | 1 | 0 | 0 | 1 | | | 14/28 |
| 7R | H | | 5821 | 006470527 | EX | \$1490 | 0 | 1 | 8 | 1 | 0 | 0 | 0 | 1 | | | 14/28 |
| 7R | E | | 6110 | 006498835 | LC | \$6180 | 2 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | | | 14/28 |
| 7R | E | | 5841 | 006531683 | EX | \$1770 | 0 | 36 | 1.66 | 17 | 0 | 2 | 2 | 2 | | | 14/28 |
| 7R | H | | 2915 | 006537572 | LC | \$785 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | | | 14/28 |
| 7R | H | | 6680 | 006539836 | BA | \$1540 | 4 | 18 | 5.77 | 10 | 1 | 2 | 3 | 3 | 1/2 | 0/1 | 0/1540 |
| 7R | E | | 6605 | 006541550 | BP | \$7100 | 0 | 20 | 1.35 | 0 | 0 | 0 | 1 | 1 | | | 14/28 |
| 7R | H | | 4320 | 006543617 | DQ | \$8440 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | H | | 1560 | 006547345 | BA | \$1220 | 0 | 2 | 10.5 | 5 | 0 | 1 | 1 | 1 | | | 14/28 |
| 7R | N | | 6130 | 006582853 | BA | \$8280 | 0 | 3 | 1.33 | 3 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | H | | 1680 | 006583515 | BA | \$1640 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | | | 14/28 |
| 7R | H | | 2840 | 006585728 | DQ | \$937 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | E | | 4920 | 006591339 | A2 | \$9080 | 3 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | | | 14/28 |
| 7R | H | | 6645 | 006634103 | UX | \$918 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | | | 14/28 |
| 1R | D | | 2915 | 006702544 | DA | \$725 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | H | | 2915 | 006702685 | BA | \$3730 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | H | | 6680 | 006705130 | BA | \$1120 | 1 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | | | 14/28 |
| 7R | H | | 6680 | 006705131 | BA | \$1780 | 3 | 0 | 0 | 4 | 1 | 0 | 0 | 1 | | | 14/28 |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|------|------|----|------|-------|-------|--------|
| | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | ROUT | POOL | | ROUT | OCT | 14/28 | 14/28 |
| 1R | D | | 2995 | 006717128 | LC | \$1810 | 0 | 4 | 15.75 | 4 | 0 | 2 | 2 | | | |
| 7R | H | | 4320 | 006724168 | LC | \$1340 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 1560 | 006726868 | BA | \$1360 | 0 | 7 | 1.71 | 1 | 0 | 0 | 0 | | | |
| 7R | N | | 2995 | 006732727 | LC | \$2680 | 0 | 5 | 10.2 | 0 | 0 | 2 | 2 | | | |
| 7R | H | | 5826 | 006738224 | BP | \$3310 | 8 | 1 | 11 | 1 | 4 | 0 | 4 | 3/3 | 0/0 | 0/0 |
| 7R | H | | 5826 | 006738226 | BP | \$1150 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 4140 | 006742856 | EX | \$566 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 5826 | 006747086 | BP | \$551 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 1620 | 006749069 | LC | \$2270 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 5826 | 006750489 | EX | \$782 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6610 | 006753330 | FZ | \$1500 | 10 | 2 | .5 | 4 | 3 | 0 | 3 | 3/4 | 0/1 | 0/1500 |
| 7R | H | | 5945 | 006757413 | LC | \$1200 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6615 | 006762609 | LC | \$3340 | 4 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 6615 | 006763828 | LC | \$249 | 0 | 2 | 1.5 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6115 | 006786319 | LC | \$8620 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | | | |
| 7R | E | | 1630 | 006880232 | DH | \$589 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | | 5826 | 006899780 | FZ | \$1810 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5985 | 006905949 | LC | \$15320 | 1 | 5 | 4.8 | 3 | 0 | 1 | 1 | | | |
| 7R | E | | 5841 | 006905951 | LC | \$14430 | 1 | 37 | 3.1 | 3 | 0 | 2 | 2 | | | |
| 7R | H | | 1660 | 006906150 | LC | \$2340 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | NIIN | SMIC | UNIT PRICE | BCM | RPR | TAT | OLD RPT | ATTR POOL | RP | RECM RPT | 14/28 | | UP |
|-----|---|---|------|-----------|------|------------|-----|-----|------|---------|-----------|----|----------|-------|-------|-------|
| | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | | CST | 14/28 | 14/28 |
| 7R | H | | 1650 | 006963801 | LC | \$139 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 4310 | 006967633 | LC | \$4220 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | H | | 6615 | 006975674 | UX | \$1380 | 5 | 0 | 0 | 1 | 2 | 0 | 2 | | | |
| 7R | H | | 6105 | 006985927 | LC | \$1070 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 1R | D | | 5821 | 007007284 | FZ | \$2250 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 4810 | 007060266 | LC | \$2530 | 2 | 5 | 7 | 2 | 0 | 1 | 1 | | | |
| 7R | E | | 2915 | 007062719 | DQ | \$9700 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | H | | 6615 | 007118898 | LC | \$6800 | 5 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 1680 | 007161451 | BA | \$4780 | 0 | 9 | 1 | 3 | 0 | 0 | 0 | | | |
| 7R | E | | 2835 | 007162024 | RX | \$1350 | 3 | 1 | 20 | 3 | 1 | 0 | 1 | | | |
| 1R | D | | 5841 | 007163534 | BP | \$2930 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 5895 | 007172377 | BP | \$613 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 5895 | 007175234 | BP | \$1050 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5990 | 007178111 | UX | \$1840 | 3 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | H | | 1610 | 007178228 | BP | \$569 | 0 | 4 | 12.5 | 1 | 0 | 2 | 2 | | | |
| 1R | D | | 1560 | 007178521 | BA | \$1990 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1650 | 007195513 | BA | \$5830 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 6610 | 007196441 | DA | \$4960 | 8 | 0 | 0 | 3 | 3 | 0 | 3 | | | |
| 7R | E | | 6610 | 007196882 | FZ | \$1300 | 5 | 0 | 0 | 9 | 3 | 0 | 3 | | | |
| 7R | H | | 1660 | 007199381 | DA | \$2250 | 2 | 1 | 0 | 4 | 1 | 0 | 1 | | | |

| COG | C | M | FSC | NIIN | SMIC | UNIT PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 DAY OST | INC 14/28 | UP X INC 14/28 |
|-----|---|---|------|-----------|------|------------|-----|-----|-------|----------|-----------|----|-----------|---------------|-----------|----------------|
| | | | | | | | | | | | | | | | | |
| 7R | H | | 1660 | 007240138 | BA | \$2070 | 2 | 0 | 0 | 7 | 1 | 0 | 1 | | | |
| 7R | H | | 1560 | 007240816 | BA | \$20820 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 1560 | 007240817 | BA | \$12770 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | | | |
| 1R | D | | 1650 | 007283396 | LC | \$1319 | 2 | 1 | 1 | 0 | 1 | 0 | 1 | | | |
| 7R | E | | 5826 | 007291250 | FZ | \$765 | 0 | 6 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6610 | 007294292 | BA | \$2150 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 7R | H | | 5841 | 007300593 | BP | \$9690 | 0 | 3 | 10.33 | 0 | 0 | 1 | 1 | | | |
| 7R | E | | 5841 | 007300594 | BP | \$59740 | 2 | 30 | 3.13 | 3 | 0 | 2 | 2 | | | |
| 7R | H | | 4810 | 007303551 | LC | \$2240 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | H | | 5841 | 007303903 | BP | \$1080 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 6220 | 007319772 | DX | \$939 | 0 | 46 | 5.17 | 10 | 0 | 4 | 4 | | | |
| 7R | H | | 6615 | 007354848 | BA | \$4310 | 19 | 0 | 0 | 7 | 7 | 0 | 7 | | | |
| 7R | H | | 6615 | 007354851 | BA | \$3650 | 10 | 0 | 0 | 1 | 4 | 0 | 4 | | | |
| 7R | H | | 6615 | 007354854 | BA | \$2530 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 1680 | 007354856 | LC | \$9680 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 5845 | 007384912 | BP | \$41970 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5821 | 007385992 | FZ | \$787 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 2915 | 007393047 | LC | \$4430 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 1680 | 007395066 | BA | \$8800 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 6605 | 007403989 | FZ | \$1280 | 1 | 5 | 6.4 | 1 | 0 | 1 | 1 | | | |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCM | RPR | TNT | OLD | RMT | ANTR | POOL | RP | RECM | RMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|-----|-----|------|------|----|------|-----|-------|-------|-------|
| | | | | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | | | | | | OST | 14/28 | 14/28 |
| 7R | H | | 4810 | 007498896 | DQ | \$1770 | 1 | 3 | 7.33 | 1 | 1 | 0 | 1 | 1 | 1 | | | | X |
| 7R | H | | 5821 | 007519471 | EX | \$1680 | 3 | 2 | 9 | 2 | 2 | 2 | 0 | 0 | 2 | | | | INC |
| 1R | D | | 5895 | 007547307 | FX | \$106 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 14/28 |
| 7R | E | | 6620 | 007564423 | DQ | \$555 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | | | | |
| 7R | E | | 1650 | 007569892 | LC | \$2030 | 0 | 1 | 13 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 2995 | 007569914 | LC | \$1300 | 0 | 4 | 12.25 | 4 | 0 | 2 | 2 | 2 | 2 | | | | |
| 7R | H | | 2840 | 007575107 | DQ | \$939 | 17 | 0 | 0 | 30 | 7 | 0 | 7 | 0 | 7 | | | | |
| 7R | E | | 1620 | 007587974 | BA | \$7300 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 2995 | 007588047 | BP | \$2150 | 0 | 14 | 9.42 | 3 | 0 | 2 | 2 | 2 | 2 | | | | |
| 7R | E | | 6610 | 007597170 | BP | \$29060 | 6 | 0 | 0 | 3 | 3 | 0 | 3 | 0 | 3 | | | | |
| 7R | E | | 6605 | 007598492 | FZ | \$3220 | 0 | 6 | 10.33 | 7 | 0 | 2 | 2 | 2 | 2 | | | | |
| 7R | E | | 4320 | 007602691 | SX | \$1070 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | | | | |
| 7R | H | | 6615 | 007615936 | LC | \$1040 | 5 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | | | | |
| 7R | E | | 1610 | 007645622 | BP | \$15200 | 1 | 67 | 2.34 | 9 | 0 | 3 | 3 | 3 | 3 | | | | |
| 7R | H | | 5865 | 007649458 | EW | \$652 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 1650 | 007672241 | BP | \$1660 | 0 | 1 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 5895 | 007710583 | EX | \$2150 | 3 | 0 | 0 | 1 | 2 | 0 | 2 | 0 | 2 | | | | |
| 7R | H | | 6130 | 007728567 | LC | \$1150 | 4 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | | | | |
| 7R | H | | 6615 | 007738493 | LC | \$7940 | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | | | | |
| 7R | E | | 1630 | 007765962 | BA | \$15080 | 3 | 1 | 20 | 12 | 1 | 1 | 1 | 1 | 2 | | | | |

| COG | C | M | FSC | NIIN | UNIT | | BCM | RPR | TAT | OLD | ATTR | | RPM | 14/28 | | INC | 14/28 | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|-----|------|------|-----|-------|-----|-----|-------|----|
| | | | | | SMIC | PRICE | | | | | RPM | POOL | | DAY | CST | | | |
| 7R | E | | 2835 | 007774035 | SX | \$83040 | 4 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | | |
| 7R | H | | 1660 | 007836159 | LC | \$8130 | 4 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | | | | |
| 1R | D | | 2945 | 007844208 | DQ | \$80 | 1 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 5930 | 007847967 | DA | \$708 | 0 | 1 | 8 | 1 | 0 | 0 | 0 | 1 | | | | |
| 7R | E | | 5841 | 007869523 | EX | \$1370 | 0 | 31 | 1 | 16 | 0 | 1 | 1 | 1 | | | | |
| 1R | D | | 1660 | 007877696 | BA | \$357 | 4 | 3 | 3 | 0 | 1 | 0 | 0 | 1 | | | | |
| 7R | E | | 5826 | 007885273 | FZ | \$1810 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 1650 | 007885465 | BP | \$19170 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | M | | 1660 | 007886229 | BA | \$2460 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 2915 | 007900277 | BA | \$1050 | 3 | 2 | 10 | 8 | 1 | 1 | 1 | 2 | | | | |
| 7R | H | | 1650 | 007901441 | LC | \$2980 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | | 6130 | 007912511 | FZ | \$444 | 0 | 5 | 2.4 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 6130 | 007912512 | FZ | \$1720 | 0 | 10 | 4.8 | 1 | 0 | 2 | 2 | 2 | | | | |
| 7R | H | | 1660 | 007931564 | LC | \$7890 | 5 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 1660 | 007936559 | LC | \$8100 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 6615 | 007936947 | BA | \$6660 | 0 | 25 | 10.44 | 7 | 0 | 4 | 4 | 4 | | | | |
| 7R | E | | 1680 | 007964742 | BA | \$1150 | 0 | 4 | .75 | 4 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 1610 | 007980740 | BP | \$1960 | 0 | 10 | 12 | 3 | 0 | 2 | 2 | 2 | | | | |
| 7R | H | | 5841 | 007998488 | LC | \$840 | 0 | 5 | 8.4 | 2 | 0 | 2 | 2 | 2 | | | | |
| 7R | H | | 6615 | 008002544 | BP | \$4760 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |

0/357

1/1

0/1

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCM | RPR | TMT | OLD | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|-----|------|------|----|------|-------|-----|-----|
| | | | | | | | | | | | | | | | DAY | OST | X |
| 7R | H | | 1560 | 008023054 | BP | \$755 | 1 | 12 | 1.08 | 2 | 0 | 0 | 0 | 0 | | | INC |
| 1R | O | | 1560 | 008024300 | BP | \$385 | 0 | 14 | 1.92 | 1 | 0 | 1 | 1 | 1 | | | INC |
| 1R | O | | 1560 | 008024301 | BP | \$397 | 0 | 8 | 3.5 | 1 | 0 | 1 | 1 | 1 | | | INC |
| 1R | D | | 1560 | 008024948 | BP | \$788 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 5831 | 008028947 | BP | \$10510 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 5831 | 008036365 | BP | \$2690 | 0 | 6 | 1.16 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 1R | D | | 1730 | 008036716 | SX | \$323 | 2 | 0 | 0 | 1 | 1 | 0 | 2 | 2 | | | INC |
| 7R | H | | 1650 | 008043608 | BP | \$7100 | 1 | 1 | 7 | 2 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 5841 | 008047159 | LC | \$5170 | 0 | 3 | 11.67 | 1 | 0 | 1 | 1 | 1 | | | INC |
| 7R | H | | 1610 | 008057593 | LC | \$1990 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 1610 | 008057596 | BP | \$2780 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | INC |
| 7R | E | | 5895 | 008100136 | AZ | \$11970 | 0 | 8 | .87 | 2 | 0 | 0 | 0 | 0 | | | INC |
| 7R | N | | 6620 | 008117614 | LC | \$429 | 0 | 3 | 6 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 4140 | 008145758 | LC | \$1790 | 0 | 1 | 18 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 7R | E | | 6680 | 008157282 | BP | \$1840 | 3 | 35 | 5.05 | 16 | 0 | 3 | 3 | 3 | | | INC |
| 7R | E | | 6680 | 008157284 | BP | \$4020 | 1 | 3 | 1.33 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 7R | E | | 6680 | 008157285 | BP | \$3230 | 1 | 3 | 2 | 7 | 0 | 0 | 0 | 0 | | | INC |
| 7R | E | | 1660 | 008187701 | BP | \$2730 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | INC |
| 7R | E | | 1650 | 008214048 | BP | \$11920 | 0 | 2 | 13 | 1 | 0 | 1 | 1 | 1 | | | INC |
| 7R | E | | 1650 | 008214051 | BP | \$6250 | 4 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | | | INC |

| COG | C | H | FSC | NIIN | UNIT | | RPR | TNT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP | |
|-----|---|---|------|-----------|------|--------|-----|-----|-------------|--------------|----|--------------|-------|-----|-----|-------|
| | | | | | SMIC | PRICE | | | | | | | DAY | INC | INC | 14/28 |
| 7R | E | | 1560 | 008214081 | RP | \$7470 | 0 | 20 | 1.9 | 2 | 0 | 1 | | | | |
| 7R | E | | 1560 | 008214082 | RP | \$9650 | 0 | 29 | 2.68 | 2 | 0 | 2 | | | | |
| 1R | D | | 5841 | 008214520 | LC | \$1174 | 1 | 9 | 10.88 | 2 | 0 | 2 | | | | |
| 7R | H | | 6620 | 008214663 | BA | \$914 | 1 | 1 | 0 | 4 | 0 | 0 | | | | |
| 7R | E | | 2995 | 008223053 | BP | \$4250 | 0 | 28 | 5.46 | 8 | 0 | 3 | | | | |
| 7R | E | | 2995 | 008223056 | BP | \$1280 | 1 | 1 | 20 | 1 | 0 | 0 | | | | |
| 7R | E | | 2915 | 008223059 | BP | \$1680 | 1 | 0 | 0 | 1 | 0 | 0 | | | | |
| 7R | E | | 1660 | 008223344 | BP | \$1300 | 1 | 10 | 7.7 | 9 | 0 | 2 | | | | |
| 1R | D | | 4820 | 008223357 | BP | \$158 | 0 | 1 | 16 | 1 | 0 | 0 | | | | |
| 7R | E | | 5945 | 008223858 | BP | \$891 | 2 | 0 | 0 | 1 | 1 | 0 | | | | |
| 7R | H | | 5841 | 008241204 | P2 | \$1800 | 0 | 1 | 14 | 1 | 0 | 0 | | | | |
| 1R | D | | 5865 | 008245912 | BP | \$234 | 2 | 0 | 0 | 1 | 1 | 0 | | | | |
| 7R | H | | 1630 | 008254794 | LC | \$6340 | 1 | 9 | 9.11 | 2 | 0 | 2 | | | | |
| 7R | H | | 6105 | 008291763 | BP | \$1280 | 2 | 0 | 0 | 1 | 1 | 0 | | | | |
| 7R | E | | 2840 | 008303362 | DQ | \$4780 | 7 | 0 | 0 | 1 | 1 | 0 | | | | |
| 7R | E | | 6610 | 008305832 | LC | \$9250 | 2 | 3 | 13.33 | 2 | 0 | 2 | | | | |
| 7R | H | | 1680 | 008310374 | LC | \$2860 | 3 | 0 | 0 | 1 | 1 | 0 | | | | |
| 7R | E | | 6605 | 006335087 | F2 | \$788 | 5 | 1 | 0 | 1 | 3 | 0 | | | | |
| 7R | E | | 2620 | 008346673 | YX | \$215 | 20 | 0 | 0 | 48 | 6 | 0 | | | | |
| 1R | D | | 6625 | 008424796 | BE | \$2280 | 1 | 0 | 0 | 0 | 0 | 0 | | | | |

| COG | C | FSC | MTIN | SMIC | PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP X |
|-----|---|------|-----------|------|---------|-----|-----|-------|-------------|--------------|----|--------------|-------|-------|---------|
| | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | | CST | 14/28 | 14/28 |
| 7R | H | 6610 | 008444871 | F2 | \$1110 | 1 | 0 | 0 | - | - | - | - | | | |
| 7R | H | 5841 | 008454243 | LC | \$11210 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | H | 5821 | 008458915 | EX | \$2460 | 0 | 6 | 11.16 | 1 | 0 | 2 | 2 | | | |
| 7R | H | 5821 | 008458986 | FX | \$645 | 0 | 3 | 1.66 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5821 | 008458990 | EX | \$3510 | 3 | 2 | 10.5 | 1 | 2 | 0 | 2 | | | |
| 1R | D | 5841 | 008469048 | LC | \$792 | 0 | 3 | 1.66 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 5895 | 008488581 | A2 | \$294 | 0 | 1 | 6 | 1 | 0 | 0 | 3 | | | |
| 7R | H | 2995 | 008489839 | FW | \$16630 | 1 | 0 | 0 | 4 | 0 | 0 | 0 | | | |
| 7R | H | 2995 | 008489871 | FW | \$12200 | 1 | 3 | 3 | 4 | 0 | 0 | 0 | | | |
| 7R | E | 5826 | 008490055 | EX | \$3320 | 2 | 13 | 3.92 | 1 | 0 | 2 | 2 | | | |
| 7R | H | 2995 | 008493000 | LC | \$509 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 008512604 | LC | \$5260 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 5826 | 008533882 | K2 | \$833 | 0 | 2 | 8 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 6605 | 008559315 | FX | \$2070 | 3 | 0 | 0 | 1 | 2 | 0 | 2 | | | |
| 7R | E | 2995 | 008580378 | BP | \$1860 | 1 | 10 | 5.6 | 2 | 0 | 2 | 2 | | | |
| 1R | D | 3020 | 008580872 | EX | \$1780 | 0 | 1 | 12 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 6220 | 008580915 | BP | \$3030 | 1 | 14 | 5.92 | 6 | 0 | 2 | 2 | | | |
| 1R | D | 6220 | 008582455 | EP | \$318 | 0 | 7 | 2 | 8 | 0 | 0 | 0 | | | |
| 7R | E | 1680 | 008584466 | BP | \$18330 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | | | |
| 7R | H | 1680 | 008584468 | BP | \$16420 | 0 | 5 | 1.6 | 2 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | NIN | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|-----|------|------|----|------|-------|-----|-------------|
| | | | | | | | | | | | | | | | DAY | OST | |
| 7R | H | | 5945 | 008584485 | BP | \$1420 | 0 | 5 | 1.8 | 1 | 0 | 0 | 0 | 0 | | | X |
| 7R | H | | 1650 | 008588741 | BA | \$1650 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | | | INC |
| 7R | E | | 1680 | 008603934 | LC | \$10910 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | E | | 1610 | 008625524 | BP | \$558 | 0 | 51 | 10.52 | 9 | 0 | 5 | 5 | 5 | | | |
| 7R | H | | 5841 | 008627108 | BP | \$3570 | 0 | 4 | 13.5 | 0 | 0 | 2 | 2 | 2 | | | |
| 7R | H | | 5820 | 008636142 | EW | \$1080 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2840 | 008661443 | PQ | \$12080 | 2 | 0 | 0 | 3 | 0 | 0 | 3 | 3 | | | |
| 1R | D | | 1670 | 008666878 | LX | \$332 | 7 | 0 | 0 | 3 | 3 | 0 | 3 | 3 | | | |
| 7R | E | | 6620 | 008675785 | LC | \$2070 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 6615 | 008687170 | BP | \$768 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5821 | 008687528 | EX | \$13960 | 11 | 1 | 1 | 6 | 4 | 0 | 6 | 6 | 4/4 | 0/0 | 0/0 |
| 7R | E | | 1610 | 008688836 | BP | \$44560 | 5 | 16 | 16.43 | 9 | 1 | 3 | 4 | 4 | 2/2 | 1/1 | 44560/44560 |
| 7R | H | | 5841 | 008695352 | PZ | \$2350 | 0 | 3 | 17 | 1 | 0 | 2 | 2 | 2 | | | |
| 7R | E | | 5841 | 008695353 | PZ | \$3910 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5841 | 008695354 | PZ | \$1510 | 0 | 3 | 8 | 1 | 0 | 1 | 1 | 1 | | | |
| 7R | H | | 1610 | 008695444 | BP | \$573 | 2 | 1 | 3 | 1 | 1 | 0 | 1 | 1 | | | |
| 1R | D | | 5845 | 008699272 | BP | \$1420 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 2915 | 008702599 | LC | \$8160 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1660 | 008709373 | LC | \$7920 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 4810 | 008711276 | LC | \$622 | 2 | 1 | 20 | 0 | 1 | 0 | 1 | 1 | | | |

| COG | C | M | FSC | NTIN | SMIC | PRICE | BCM | RPR | TAT | OLD | RQMT | ATTR | POOL | RP | RQMT | RECM | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|------|-----|------|------|------|----|------|------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | | | | | CST | 14/28 | 14/28 |
| 7R | H | | 1560 | 008721619 | BP | \$24540 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 008723781 | BP | \$10360 | 0 | 3 | 2.33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2840 | 008725717 | DQ | \$1140 | 21 | 0 | 0 | 24 | 7 | 0 | 7 | 0 | 7 | 0 | | | |
| 7R | H | | 1650 | 008727516 | LC | \$49080 | 5 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | | | |
| 7R | H | | 1610 | 008728857 | BP | \$832 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1650 | 008736242 | LC | \$1690 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | | | |
| 7R | H | | 1610 | 008736251 | LC | \$4980 | 0 | 4 | 4.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1610 | 008736412 | BP | \$747 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1610 | 008755009 | LC | \$1170 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 1660 | 008760714 | BA | \$16240 | 2 | 0 | 0 | 12 | 1 | 0 | 1 | 0 | 1 | 0 | | | |
| 7R | E | | 5845 | 008769656 | BP | \$2960 | 9 | 0 | 0 | 4 | 3 | 0 | 3 | 0 | 3 | 0 | | | |
| 7R | H | | 4320 | 008769682 | DQ | \$1130 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2995 | 008769685 | DQ | \$2630 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 2925 | 008769687 | DQ | \$1390 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2915 | 008769689 | DQ | \$671 | 26 | 0 | 0 | 12 | 7 | 0 | 7 | 0 | 7 | 0 | | | |
| 7R | H | | 4320 | 008769691 | DQ | \$8110 | 3 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | 0 | | | |
| 1R | D | | 2840 | 008770093 | DQ | \$2160 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 2840 | 008770096 | DQ | \$163 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 6620 | 008773266 | FZ | \$367 | 8 | 4 | .25 | - | - | - | - | - | - | - | | | |
| 7R | H | | 4320 | 008773275 | DQ | \$876 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | NTIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-------|-----|-------|-----|------|------|------|----|------|-------|-------|-------|
| | | | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | ROMT | | | | ROMT | OCT | 14/28 | 14/28 |
| 1R | D | | 2995 | 008773644 | DQ | \$82 | 2 | 5 | 10.8 | 2 | 2 | 0 | 2 | 2 | 2 | | | |
| 7R | H | | 2995 | 008773666 | DQ | \$362 | 0 | 12 | 10.41 | 5 | 5 | 0 | 2 | 2 | 2 | | | |
| 7R | E | | 1680 | 008784893 | BP | \$1320 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 1680 | 008784899 | BP | \$1310 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | | | |
| 1R | D | | 5841 | 008793690 | BP | \$10510 | 0 | 2 | .5 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5895 | 008799193 | FX | \$6680 | 0 | 1 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 6615 | 008805033 | FZ | \$3390 | 4 | 0 | 0 | 2 | 2 | 2 | 0 | 2 | 2 | | | |
| 7R | E | | 5826 | 008821203 | FZ | \$1810 | 0 | 2 | .5 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5815 | 008823103 | FP | \$72010 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 2840 | 008832743 | BP | \$5400 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 1560 | 008832794 | BP | \$985 | 0 | 2 | 1.5 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 4810 | 008847571 | BP | \$2420 | 12 | 0 | 0 | 3 | 6 | 0 | 0 | 6 | 6 | | | |
| 7R | E | | 1610 | 008870118 | BP | \$4410 | 11 | 0 | 0 | 1 | 6 | 0 | 0 | 6 | 6 | | | |
| 7R | E | | 1610 | 008870119 | BP | \$6920 | 9 | 18 | 4.27 | 13 | 6 | 2 | 8 | 8 | 3/3 | 0/0 | 0/0 | |
| 7R | E | | 6645 | 008870122 | BP | \$924 | 0 | 7 | 3.57 | 5 | 0 | 1 | 1 | 1 | 1 | | | |
| 1R | D | | 1610 | 008870207 | BP | \$1060 | 0 | 2 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 1610 | 008870209 | BP | \$1380 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 1610 | 008870353 | BP | \$843 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2915 | 008871904 | BP | \$1790 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 1680 | 008871911 | BP | \$7870 | 3 | 8 | 9.62 | 6 | 0 | 2 | 2 | 2 | 2 | | | |

| COG | C | M | FSC | NIN | UNIT | SMIC | PRICE | ECH | RPR | TAT | OLD | ATTR | RP | RECH | 14/28 | | INC | UP |
|-----|---|---|------|-----------|------|---------|-------|-----|------|-----|-----|------|----|------|-------|-----|-------------|-------|
| | | | | | | | | | | | | | | | DAY | OST | 14/28 | X |
| 7R | H | | 1660 | 008871913 | BP | \$22120 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | | | | 14/28 |
| 7R | E | | 2915 | 008871915 | BP | \$9630 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | | | | X |
| 7R | E | | 1630 | 008871916 | BP | \$5310 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | | | | INC |
| 7R | E | | 1680 | 008871919 | BP | \$2580 | 2 | 8 | 5.62 | 2 | 0 | 2 | 2 | 2 | | | | 14/28 |
| 7R | H | | 5826 | 008871938 | BP | \$5210 | 0 | 24 | 8 | 8 | 0 | 3 | 3 | 3 | | | | |
| 7R | E | | 5826 | 008871942 | FZ | \$3770 | 0 | 55 | 2.69 | 7 | 0 | 3 | 3 | 3 | | | | |
| 7R | E | | 1610 | 008871944 | BP | \$36840 | 5 | 20 | 15.7 | 9 | 1 | 4 | 5 | 5 | 2/2 | 1/1 | 36840/36840 | |
| 7R | E | | 2995 | 008871962 | BP | \$3360 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 2995 | 008871963 | BP | \$4110 | 0 | 28 | 8.39 | 4 | 0 | 3 | 3 | 3 | | | | |
| 7R | E | | 2995 | 008871965 | BP | \$2930 | 6 | 6 | 20 | 2 | 1 | 2 | 3 | 3 | 2/2 | 1/1 | 2930/2930 | |
| 7R | H | | 1680 | 008871967 | BP | \$925 | 4 | 0 | 0 | 5 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 1680 | 008871968 | BP | \$782 | 1 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 2935 | 008871969 | BP | \$1440 | 14 | 0 | 0 | 6 | 6 | 0 | 6 | 6 | | | | |
| 7R | H | | 6685 | 008871971 | BP | \$805 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | | |
| 7R | E | | 1650 | 008872160 | BA | \$14040 | 10 | 0 | 0 | 11 | 4 | 0 | 4 | 4 | | | | |
| 7R | H | | 1660 | 008874274 | BP | \$2200 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 1650 | 008874299 | BP | \$9050 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 1650 | 008874305 | BP | \$3280 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 2915 | 008874319 | DQ | \$3040 | 12 | 1 | 12 | 1 | 4 | 0 | 4 | 4 | 4/5 | 0/1 | 0/3040 | |
| 1R | D | | 4810 | 008874337 | BP | \$1040 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | 0 | | | | |

| COG | C | FSC | NIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | RPM | RMT | RECH | 14/28 | | UP |
|-----|---|------|-----------|------|---------|-------|-----|------|-----|-----|------|-----|-----|------|-------|-----|-------|
| | | | | | | | | | | | | | | | DAY | CST | INC |
| COG | C | FSC | NIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | RPM | RMT | RECH | 14/28 | | UP |
| | | | | | | | | | | | | | | | DAY | CST | INC |
| 7R | E | 1560 | 008874369 | BP | \$16480 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | E | 1560 | 008874377 | BP | \$13360 | 3 | 2 | 11.5 | 4 | 2 | 1 | 3 | | | | | X |
| 7R | H | 1560 | 008874404 | BP | \$19730 | 0 | 1 | 20 | 2 | 0 | 0 | 0 | 0 | 0 | | | INC |
| 7R | E | 6615 | 008876721 | BP | \$7030 | 12 | 0 | 0 | 6 | 6 | 0 | 6 | 0 | 6 | | | 14/28 |
| 7R | E | 1660 | 008076728 | BP | \$6190 | 12 | 0 | 0 | 7 | 5 | 0 | 5 | 0 | 5 | | | |
| 7R | E | 1660 | 008876729 | BP | \$7100 | 11 | 0 | 0 | 6 | 4 | 0 | 4 | 0 | 4 | | | |
| 7R | H | 6615 | 008876765 | BP | \$1670 | 2 | 5 | 2.6 | 6 | 2 | 0 | 2 | 0 | 2 | | | |
| 7R | H | 6615 | 008876766 | BP | \$1340 | 0 | 6 | 7.83 | 1 | 0 | 2 | 2 | 0 | 2 | | | |
| 7R | H | 6615 | 008876768 | BP | \$663 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6615 | 008876775 | BP | \$1660 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | | | |
| 7R | H | 6615 | 008876777 | BP | \$3180 | 0 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 4140 | 008876787 | BP | \$647 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 6610 | 008879301 | BP | \$3250 | 6 | 0 | 0 | 7 | 3 | 0 | 3 | 0 | 3 | | | |
| 7R | H | 6685 | 008879302 | BP | \$2990 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | | | |
| 7R | H | 6685 | 008879303 | BP | \$1190 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6610 | 008879308 | BP | \$1320 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | | | |
| 7R | H | 6615 | 008881180 | BP | \$2630 | 0 | 3 | 7.33 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 1560 | 008882231 | LC | \$24530 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6615 | 008883686 | BP | \$5100 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 1680 | 008883687 | BP | \$1940 | 7 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 3 | | | |

| COG | C | M | FSC | MIIN | SMIC | UNIT PRICE | BCM | RPR | TNT | OLD RQMT | AMTR POOL | RP | REQM RQMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|------------|-----|-----|------|----------|-----------|----|-----------|-------|-------|-------|
| | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | | OST | 14/28 | 14/28 |
| 7R | H | | 6130 | 008894532 | EP | \$359 | 0 | 3 | .66 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 1630 | 008905370 | LC | \$3700 | 2 | 8 | 2.5 | 4 | 1 | 0 | 1 | | | |
| 7R | H | | 1560 | 008918832 | BP | \$19510 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5821 | 008932906 | FZ | \$16750 | 0 | 53 | 3.15 | 13 | 0 | 3 | 7 | | | |
| 7R | H | | 4810 | 008941467 | BA | \$2790 | 0 | 1 | 20 | 4 | 0 | 1 | 1 | | | |
| 7R | E | | 1680 | 008947334 | BA | \$9040 | 4 | 0 | 0 | 6 | 1 | 0 | 1 | | | |
| 7R | H | | 5841 | 008950713 | MF | \$852 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 5826 | 008974122 | FZ | \$489 | 1 | 12 | 5 | 2 | 0 | 2 | 2 | | | |
| 7R | H | | 1660 | 008974306 | LC | \$14460 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 1R | D | | 1560 | 008991033 | BP | \$3720 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5841 | 009008005 | NZ | \$1410 | 2 | 0 | 0 | 5 | 2 | 0 | 2 | | | |
| 7R | E | | 5841 | 009008081 | FX | \$3580 | 1 | 24 | 2.75 | 8 | 0 | 2 | 2 | | | |
| 7R | E | | 1660 | 009030836 | BP | \$4920 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 2835 | 009030840 | BP | \$2290 | 5 | 0 | 0 | 7 | 2 | 0 | 2 | | | |
| 7R | E | | 5826 | 009050861 | FX | \$5320 | 0 | 6 | 1.5 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 6605 | 009060598 | FZ | \$13400 | 10 | 10 | 1 | 12 | 4 | 0 | 4 | 3/4 | 0/0 | 0/0 |
| 1R | D | | 1680 | 009062170 | BP | \$79 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | | | |
| 7R | E | | 2920 | 009066251 | RX | \$2070 | 6 | 8 | 4.75 | 3 | 2 | 1 | 3 | 2/2 | 0/0 | 0/0 |
| 7R | H | | 1610 | 009067136 | LC | \$3980 | 5 | 0 | 0 | 1 | 2 | 0 | 2 | | | |
| 7R | E | | 6125 | 009069917 | BP | \$1850 | 4 | 0 | 0 | 3 | 1 | 0 | 1 | | | |

| COG | C | M | FSC | NTIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | RQMT | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|------|---------|-----|-----|-------|-----|------|------|------|----|------|-------|-----|-----|
| | | | | | | | | | | | | | | | | | DAY | INC | |
| 7R | H | | 5865 | 009081233 | BP | | \$2400 | 0 | 3 | .33 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5895 | 009081718 | FX | | \$5440 | 0 | 16 | 4.62 | 7 | 0 | 0 | 2 | 2 | 2 | | | |
| 7R | E | | 2920 | 009082535 | RX | | \$1350 | 7 | 0 | 0 | 2 | 3 | 0 | 3 | 0 | 3 | | | |
| 7R | M | | 1660 | 009084500 | LC | | \$2030 | 0 | 3 | 8.66 | 1 | 0 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 2835 | 009089309 | BP | | \$69900 | 4 | 1 | 20 | 3 | 2 | 0 | 2 | 0 | 2 | | 1/2 | 0/0 |
| 7R | H | | 1610 | 009091406 | BP | | \$1320 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | 0 | 0 | | | 0/0 |
| 7R | H | | 1660 | 009094309 | BP | | \$9490 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 2995 | 009117828 | BA | | \$5900 | 6 | 0 | 0 | 4 | 2 | 0 | 2 | 0 | 2 | | | |
| 7R | E | | 7310 | 009122078 | BP | | \$9730 | 2 | 15 | 3.06 | 4 | 1 | 2 | 3 | 0 | 3 | | | |
| 1R | D | | 1560 | 009122133 | BP | | \$1050 | 1 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5826 | 009123285 | FZ | | \$1810 | 0 | 3 | 1.66 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 6610 | 009123572 | FZ | | \$1530 | 1 | 55 | 3.72 | 14 | 0 | 3 | 3 | 3 | 3 | | | |
| 1R | D | | 5841 | 009148656 | BP | | \$975 | 1 | 3 | 10.33 | 1 | 1 | 0 | 1 | 0 | 1 | | | |
| 1R | D | | 5841 | 009148664 | BP | | \$595 | 1 | 3 | 2.33 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 1560 | 009184570 | BP | | \$66 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 1680 | 009184600 | BP | | \$1520 | 3 | 1 | 5 | 6 | 1 | 3 | 1 | 3 | 1 | | | |
| 7R | H | | 6615 | 009186483 | BP | | \$3730 | 0 | 1 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5841 | 009187146 | BP | | \$8680 | 0 | 14 | 2.92 | 6 | 0 | 1 | 1 | 1 | 1 | | | |
| 7R | H | | 1650 | 009201810 | LC | | \$301 | 1 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 5895 | 009222995 | AZ | | \$2010 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | | | |

| COG | C | M C | FSC | NIIN | UNIT | SMIC PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP |
|-----|---|------|-----------|------|---------|------------|-----|-----|-------|----------|-----------|----|-----------|-------|-------|-------|
| | | | | | | | | | | | | | | DAY | INC | X INC |
| | | | | | | | | | | | | | | CST | 14/28 | 14/28 |
| 1R | D | 5841 | 009240588 | FX | \$733 | 0 | 4 | | 10.75 | 1 | 0 | 2 | 2 | | | |
| 1R | D | 5841 | 009240589 | FX | \$129 | 0 | 1 | | 3 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 5841 | 009240590 | FX | \$352 | 0 | 3 | | 13 | 1 | 0 | 1 | 1 | | | |
| 1R | D | 5841 | 009240592 | EX | \$663 | 0 | 1 | | 8 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 5841 | 009240604 | FX | \$97 | 0 | 7 | | 5.85 | 1 | 0 | 2 | 2 | | | |
| 7R | E | 4140 | 009248116 | BP | \$2490 | 1 | 12 | | 10.5 | 1 | 0 | 2 | 2 | | | |
| 7R | E | 6130 | 009270415 | BP | \$1570 | 0 | 3 | | 4 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 1630 | 009271773 | BP | \$4010 | 1 | 17 | | 10.76 | 8 | 0 | 3 | 3 | | | |
| 7R | H | 1660 | 009271996 | LC | \$385 | 13 | 2 | | 1.5 | 3 | 4 | 0 | 4 | 4/5 | 0/1 | 0/385 |
| 1R | D | 1560 | 009274095 | BP | \$4510 | 0 | 1 | | 7 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 6220 | 009276147 | BP | \$11070 | 0 | 6 | | .83 | 5 | 0 | 0 | 0 | | | |
| 7R | E | 2620 | 009284502 | VX | \$239 | 180 | 0 | | 0 | 82 | 80 | 0 | 80 | | | |
| 7R | E | 5626 | 009289330 | KZ | \$579 | 3 | 7 | | 5.42 | 1 | 1 | 1 | 2 | | | |
| 7R | E | 5826 | 009289331 | KZ | \$828 | 2 | 2 | | 2 | 1 | 1 | 0 | 1 | | | |
| 7R | E | 5826 | 009289335 | KZ | \$7780 | 22 | 15 | | 5.46 | 5 | 9 | 2 | 11 | 7/8 | 0/0 | 0/0 |
| 7R | E | 5826 | 009289373 | KZ | \$5240 | 0 | 7 | | 5.85 | 1 | 0 | 1 | 1 | | | |
| 7R | E | 5841 | 009302655 | PZ | \$22040 | 1 | 0 | | 0 | 4 | 0 | 0 | 0 | | | |
| 7R | E | 5841 | 009302656 | PZ | \$10900 | 0 | 15 | | 5.73 | 5 | 0 | 2 | 2 | | | |
| 7R | E | 5985 | 009302657 | PZ | \$14060 | 1 | 5 | | 2.8 | 1 | 1 | 0 | 1 | | | |
| 7R | E | 4810 | 009306625 | LC | \$3610 | 3 | 0 | | 0 | 2 | 1 | 0 | 1 | | | |

| COG | C | FSC | MIIN | UNIT SMIC PRICE | BCM | RPR | TAT | OLD RCMT | ATTR POOL | RP | RECM RCMT | 14/28 | | UP X |
|-----|---|------|-----------|--------------------|-----|-----|------|-------------|--------------|----|--------------|-------|-------|---------|
| | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | OCT | 14/28 | 14/28 |
| 1R | D | 5826 | 009349673 | K2 \$503 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 5826 | 009373363 | K2 \$1150 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 1560 | 009376097 | BA \$25360 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 1660 | 009377176 | BP \$455 | 5 | 0 | 0 | 5 | 1 | 0 | 1 | | | |
| 7R | E | 5826 | 009379784 | F2 \$4380 | 0 | 9 | 6.88 | 1 | 0 | 2 | 2 | | | |
| 7R | E | 5826 | 009379785 | F2 \$1400 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 0093835-5 | BP \$1860 | 0 | 3 | 4.33 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 009383546 | BP \$1230 | 0 | 3 | .66 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5990 | 009383548 | BP \$6720 | 0 | 6 | 3.33 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 6125 | 009386539 | DX \$2220 | 2 | 8 | 3.5 | 3 | 0 | 1 | 1 | | | |
| 7R | E | 5985 | 009397495 | F2 \$10010 | 0 | 16 | 3.37 | 8 | 0 | 2 | 2 | | | |
| 7R | H | 5826 | 009421929 | F2 \$2390 | 0 | 4 | 5.5 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 6130 | 009437791 | FX \$1620 | 0 | 3 | 12 | 2 | 0 | 1 | 1 | | | |
| 7R | E | 6110 | 009443046 | LC \$5060 | 8 | 0 | 0 | 4 | 2 | 0 | 2 | | | |
| 7R | E | 5895 | 009462571 | FX \$1810 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5895 | 009462572 | FX \$1140 | 0 | 1 | 3 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 5826 | 009480468 | K2 \$214 | 0 | 2 | 16.5 | 1 | 0 | 1 | 1 | | | |
| 7R | E | 5841 | 009483626 | BP \$9660 | 0 | 25 | 1.96 | 2 | 0 | 2 | 2 | | | |
| 1R | D | 1660 | 009496041 | DA \$274 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 5826 | 009518189 | EX \$3460 | 9 | 30 | 1.1 | 4 | 3 | 1 | 4 | 3/3 | 0/0 | 0/0 |

| COG | C | FSC | M | C | NTIN | UNIT | SMIC | PRICE | BCM | RPR | TNT | OLD | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|------|---|---|-----------|------|---------|-------|-----|-----|------|-----|------|------|----|------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | QMT | | | | QMT | CST | 14/28 | INC |
| 7R | H | 1620 | | | 009535572 | LC | \$1050 | | 3 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | X |
| 7R | E | 6605 | | | 009550783 | BP | \$35720 | | 2 | 3 | 0 | 8 | 1 | 1 | 0 | 1 | | | INC |
| 7R | E | 1610 | | | 009623052 | LC | \$18280 | | 1 | 24 | 7.45 | 3 | 0 | 3 | 3 | 3 | | | 14/28 |
| 1R | D | 4810 | | | 009624420 | BA | \$580 | | 1 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5826 | | | 009628742 | BP | \$1040 | | 1 | 3 | .33 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6615 | | | 009631321 | BP | \$886 | | 0 | 2 | 10.5 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 6610 | | | 009635783 | EV | \$4250 | | 4 | 0 | 0 | 8 | 3 | 0 | 3 | 0 | | | |
| 7R | H | 6130 | | | 009642928 | EX | \$763 | | 0 | 1 | 14 | 2 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5826 | | | 009649209 | EX | \$268 | | 0 | 2 | 11.5 | 0 | 0 | 1 | 1 | 1 | | | |
| 7R | H | 5826 | | | 009649210 | EX | \$298 | | 0 | 1 | 6 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | 5930 | | | 009657111 | DQ | \$233 | | 1 | 6 | .83 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 6605 | | | 009669497 | BP | \$12360 | | 0 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 6605 | | | 009669498 | BP | \$23670 | | 2 | 2 | 15.5 | 4 | 0 | 1 | 1 | 1 | | | |
| 7R | E | 6130 | | | 009669500 | BP | \$5000 | | 1 | 3 | 0 | 4 | 1 | 0 | 1 | 1 | | | |
| 7R | E | 6605 | | | 009669501 | BP | \$8740 | | 0 | 3 | 3.66 | 4 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6605 | | | 009669510 | BP | \$7570 | | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | |
| 1R | D | 5841 | | | 009689458 | FX | \$554 | | 0 | 5 | 6.2 | 1 | 0 | 1 | 1 | 1 | | | |
| 7R | H | 2915 | | | 009719130 | LC | \$1320 | | 4 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 2915 | | | 009719131 | LC | \$1120 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 1680 | | | 009734891 | LC | \$4910 | | 0 | 3 | 5.66 | 1 | 0 | 0 | 0 | 0 | | | |

| M C COG | C | FSC | NIN | UNIT | SMIC | PRICE | BCM | RFR | TAT | OLD FOOT | ATTR POOL | RP | RECH FOOT | 14/28 | | UP |
|---------------|---|------|-----------|------|---------|-------|-----|------|-----|-------------|--------------|----|--------------|------------|--------------|----|
| | | | | | | | | | | | | | | DAY CST | INC 14/28 | |
| 7R | E | 6610 | 009751699 | FZ | \$2510 | 1 | 11 | 4.09 | 10 | 0 | 2 | 2 | | | | |
| 1R | D | 5826 | 009763348 | KZ | \$1931 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5826 | 009784749 | EX | \$601 | 0 | 1 | 15 | 1 | 0 | 0 | 0 | | | | |
| 7R | E | 5821 | 009787868 | FZ | \$1190 | 0 | 2 | .5 | 1 | 0 | 0 | 0 | | | | |
| 7R | E | 1610 | 009803333 | BP | \$2430 | 1 | 0 | 0 | 8 | 0 | 0 | 0 | | | | |
| 1R | D | 1610 | 009807819 | BP | \$988 | 7 | 0 | 0 | 1 | 6 | 0 | 6 | | | | |
| 7R | E | 3020 | 009817464 | DQ | \$6500 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | | |
| 7R | H | 1680 | 009817652 | LC | \$3610 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | | |
| 7R | H | 5826 | 009859174 | FZ | \$1480 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | | | | |
| 7R | H | 1680 | 009863490 | BP | \$24910 | 0 | 13 | 5.53 | 2 | 0 | 2 | 2 | | | | |
| 7R | E | 6615 | 009867631 | BP | \$22710 | 0 | 2 | .5 | 2 | 0 | 0 | 0 | | | | |
| 7R | H | 6615 | 009871804 | BP | \$2610 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | | |
| 7R | H | 6615 | 009871805 | BP | \$3120 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | | |
| 7R | E | 5831 | 009871815 | BP | \$3160 | 0 | 18 | 2.27 | 6 | 0 | 1 | 1 | | | | |
| 7R | E | 5935 | 009871903 | BP | \$1630 | 2 | 30 | 4.46 | 7 | 0 | 2 | 2 | | | | |
| 7R | H | 4810 | 009873948 | LC | \$4250 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | | | | |
| 7R | E | 1670 | 009896799 | LC | \$2030 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | | | | |
| 7R | E | 5831 | 009898978 | FZ | \$656 | 0 | 12 | 1.25 | 3 | 0 | 0 | 0 | | | | |
| 7R | E | 5841 | 009917443 | PZ | \$5450 | 0 | 1 | 10 | 1 | 0 | 0 | 0 | | | | |
| 7R | H | 5841 | 009917451 | PZ | \$1260 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | | | | |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCK | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|-------|------|------|------|----|------|-------|-------|--------|
| | | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | ROHT | | | | ROHT | OCT | 14/28 | 14/28 |
| 7R | H | | 5841 | 009917456 | PZ | \$589 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6130 | 009917459 | PZ | \$1160 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5841 | 009917461 | PZ | \$2010 | 0 | 4 | 3.75 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 4810 | 009919829 | LC | \$228 | 3 | 4 | 1 | 2 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 4820 | 009919830 | LC | \$175 | 2 | 5 | .8 | 0 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 1650 | 009948631 | LC | \$781 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 5930 | 009960388 | LC | \$2060 | 0 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5820 | 009972559 | EP | \$4790 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 6115 | 009976517 | LC | \$6790 | 12 | 2 | .5 | 5 | 4 | 0 | 4 | 4 | 4/5 | 0/1 | 0/6790 |
| 7R | H | | 6110 | 009976518 | LC | \$1480 | 1 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6610 | 009976876 | TX | \$891 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 5826 | 009978974 | KZ | \$480 | 0 | 3 | 13.66 | 1 | 0 | 1 | 1 | 1 | | | |
| 7R | E | | 5826 | 009978975 | KZ | \$1180 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5826 | 009978978 | KZ | \$883 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1660 | 009986323 | LZ | \$2070 | 0 | 15 | 4.93 | 10 | 0 | 0 | 0 | 2 | | | |
| 7R | H | | 2915 | 009990385 | FN | \$9480 | 12 | 0 | 0 | 10 | 4 | 0 | 4 | 4 | | | |
| 1R | D | | 6620 | 009992424 | FZ | \$942 | 3 | 0 | 0 | 6 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 5895 | 009993891 | FX | \$16840 | 0 | 21 | 2.14 | 1 | 0 | 2 | 2 | 2 | | | |
| 7R | H | | 5895 | 009993892 | FX | \$1170 | 0 | 1 | 12 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 1610 | 009994327 | BP | \$15660 | 0 | 23 | 8.04 | 9 | 0 | 3 | 3 | 3 | | | |

| COG | C | M | FSC | NLTN | UNIT | SMIC | PRICE | BCH | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | DAY | INC | 14/28 | UP |
|-----|---|---|------|-----------|------|---------|-------|-----|-------|-----|-----|------|------|----|------|-------|-----|-----|-------|----|
| | | | | | | | | | | | | | | | | | | | | |
| 7R | E | | 5821 | 009997950 | EX | \$3500 | 0 | 2 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 2840 | 010038359 | SN | \$11150 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | | | | | |
| 7R | E | | 1680 | 010042086 | LC | \$6020 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 1610 | 010045385 | LC | \$1620 | 0 | 5 | 20 | 1 | 1 | 0 | 0 | 2 | 2 | | | | | |
| 7R | E | | 6610 | 010045856 | FZ | \$2210 | 2 | 24 | 6.25 | 13 | 1 | 2 | 3 | | | | | | | |
| 7R | H | | 1630 | 010054189 | LC | \$775 | 0 | 1 | 20 | 1 | 1 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 6130 | 010055392 | FZ | \$2270 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 5821 | 010113808 | BP | \$6190 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 6130 | 010113897 | FP | \$23700 | 2 | 0 | 0 | 2 | 1 | 0 | 2 | | | | | | | |
| 1R | D | | 2925 | 010115619 | SN | \$930 | 1 | 4 | 1.5 | 1 | 1 | 0 | 0 | 0 | 0 | | | | | |
| 1R | D | | 4220 | 010117478 | LX | \$1620 | 5 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | | | | | | |
| 7R | E | | 5845 | 010118483 | BP | \$4430 | 0 | 4 | 1.25 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 5845 | 010118484 | BP | \$6450 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | | 5845 | 010118486 | BP | \$9320 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | | 5826 | 010121938 | ZY | \$11850 | 1 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | | | | | | |
| 7R | H | | 5821 | 010125050 | FP | \$3820 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 5895 | 010130826 | XC | \$476 | 0 | 4 | 10.25 | 2 | 0 | 1 | 1 | | | | | | | |
| 7R | E | | 1680 | 010139501 | LC | \$3890 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | | 1630 | 010140656 | LC | \$1430 | 0 | 19 | 1.78 | 4 | 0 | 1 | 1 | | | | | | | |
| 7R | H | | 5845 | 010143947 | BP | \$5000 | 0 | 3 | 7.33 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | |

| COG | C | FSC | NTIN | UNIT SHIC PRICE | BCM | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP X INC |
|-----|---|------|-----------|--------------------|-----|-----|------|-------------|--------------|----|--------------|------------|--------------|----------------|
| | | | | | | | | | | | | DAY CST | INC 14/28 | |
| 7R | H | 5821 | 010175383 | JZ \$1250 | 2 | 1 | 1 | 1 | 1 | 0 | 1 | | | |
| 7R | E | 6110 | 010175428 | BP \$1720 | 2 | 26 | 6.15 | 13 | 0 | 3 | 3 | | | |
| 1R | D | 6130 | 010175448 | BP \$1680 | 0 | 10 | 5.7 | 6 | 0 | 2 | 2 | | | |
| 7R | H | 5821 | 010184238 | JZ \$3070 | 0 | 6 | .83 | 5 | 0 | 0 | 1 | | | |
| 7R | E | 5821 | 010184240 | JZ \$8750 | 0 | 8 | 2.62 | 7 | 0 | 1 | 1 | | | |
| 7R | H | 5821 | 010186749 | FP \$26710 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 1660 | 010187764 | CS \$1770 | 8 | 3 | 8 | 0 | 4 | 1 | 5 | | 0/0 | 0/0 |
| 1R | D | 6220 | 010202550 | BP \$936 | 1 | 2 | 18.5 | 1 | 0 | 1 | 1 | | 3/3 | 0/0 |
| 7R | H | 6605 | 010208360 | BP \$44580 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5821 | 010208384 | JZ \$12990 | 0 | 1 | 1 | 6 | 0 | 0 | 0 | | | |
| 7R | E | 2915 | 010218113 | SN \$49910 | 2 | 0 | 0 | 7 | 0 | 0 | 7 | | | |
| 7R | E | 1680 | 010218440 | LC \$4290 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5895 | 010218786 | CS \$1360 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 5895 | 010218788 | CS \$913 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 5845 | 010221738 | BP \$4900 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5845 | 010222244 | BP \$5280 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5845 | 010222277 | BP \$2500 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5998 | 010222278 | BP \$2410 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 5821 | 010228572 | EE \$46870 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5895 | 010228663 | FP \$3740 | 0 | 2 | 17.5 | 1 | 0 | 1 | 1 | | | |

UP
X
INC
14/28

14/28
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CST

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| COG | M C | FSC | NIN | UNIT PRICE | BCH | RPR | TAT | OLD QNT | ATTR POOL | RP | RECH QNT | 14/28 | | UP |
|-----|--------|------|-----------|---------------|-----|-----|------|------------|--------------|----|-------------|-------|-----|--------------|
| | | | | | | | | | | | | DAY | CST | INC 14/28 |
| 7R | H | 5841 | 010357257 | WZ \$829 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | X |
| 7R | H | 5821 | 010357311 | JZ \$1930 | 1 | 0 | 0 | 1 | 1 | 0 | 3 | | | INC 14/28 |
| 7R | E | 5841 | 010380090 | WZ \$2350 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 1630 | 010385126 | LC \$2960 | 2 | 13 | 3.69 | 7 | 0 | 2 | 2 | | | |
| 7R | E | 6620 | 010385769 | LC \$456 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 6620 | 010385801 | LC \$1520 | 4 | 33 | 5.72 | 4 | 0 | 3 | 3 | 1/2 | 1/2 | 1520/3040 |
| 7R | E | 5841 | 010391107 | WZ \$1920 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 6610 | 010395020 | AZ \$2960 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | E | 5895 | 010401531 | AZ \$2680 | 0 | 28 | 9.89 | 3 | 0 | 4 | 4 | | | |
| 1R | D | 1680 | 010402182 | BP \$80 | 0 | 3 | 2.33 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 6680 | 010428203 | BP \$299 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 6680 | 010429866 | BP \$238 | 2 | 1 | 0 | 1 | 1 | 0 | 1 | | | |
| 1R | D | 6680 | 010432238 | BP \$470 | 2 | 1 | 0 | 6 | 1 | 0 | 1 | | | |
| 7R | E | 1650 | 010440522 | BP \$10320 | 4 | 0 | 0 | 9 | 1 | 0 | 1 | | | |
| 7R | E | 2840 | 010446941 | SN \$118900 | 10 | 0 | 0 | 4 | 0 | 0 | 4 | | | |
| 7R | E | 5895 | 010449844 | AZ \$794 | 0 | 5 | 9.6 | 1 | 0 | 2 | 2 | | | |
| 7R | E | 5845 | 010449954 | BP \$892 | 0 | 18 | 7.05 | 3 | 0 | 2 | 2 | | | |
| 7R | H | 5895 | 010449970 | AZ \$326 | 0 | 1 | 5 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 2840 | 010458797 | SN \$35450 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | | | |
| 7R | H | 5895 | 010462863 | AZ \$2630 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | NIIN | SMIC | UNIT PRICE | BCM | RPR | TAT | OLD RMT | ATTR POOL | RP | RECM RMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|------------|-----|-----|------|---------|-----------|----|----------|-------|-------|-----------|
| | | | | | | | | | | | | | | DAY | INC | X INC |
| | | | | | | | | | | | | | | OCT | 14/28 | 14/28 |
| 7R | H | | 5845 | 010468291 | BP | \$2630 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2840 | 010491153 | DQ | \$1140 | 38 | 0 | 0 | 30 | 11 | 0 | 11 | | | |
| 1R | D | | 5998 | 010492632 | BP | \$694 | 0 | 5 | 10.4 | 2 | 0 | 2 | 2 | | | |
| 7R | E | | 2840 | 010506360 | SN | \$113690 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | | | |
| 7R | H | | 5855 | 010514155 | BP | \$1230 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 5855 | 010514156 | FP | \$1580 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5855 | 010514157 | BP | \$1280 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 4320 | 010520189 | CS | \$9640 | 9 | 1 | 19 | 0 | 2 | 0 | 2 | 3/3 | 1/1 | 9640/9640 |
| 7R | E | | 5855 | 010526849 | BP | \$227680 | 0 | 7 | 4.28 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 4320 | 010526937 | BA | \$4160 | 7 | 0 | 0 | 4 | 2 | 0 | 2 | | | |
| 7R | H | | 5855 | 010526951 | BP | \$18790 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5855 | 010526953 | BP | \$30430 | 0 | 5 | 5.6 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 5855 | 010526996 | BP | \$3520 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5855 | 010527079 | BP | \$8780 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 1R | D | | 5855 | 010527090 | BP | \$1190 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5855 | 010530674 | BP | \$2850 | 0 | 1 | 11 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 010532603 | BP | \$1040 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2840 | 010533055 | SN | \$118700 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 2840 | 010533489 | DQ | \$14660 | 5 | 0 | 0 | 1 | 2 | 0 | 2 | | | |
| 7R | H | | 2915 | 010533492 | FN | \$3020 | 4 | 0 | 0 | 5 | 1 | 0 | 1 | | | |

| M C | COG C | FSC | NIIN | UNIT | | BCM | RPR | TAT | OLD QMT | ATTR POOL | RPR | RECH QMT | 14/28 | | UP X INC 14/28 |
|--------|-------|------|-----------|------|----------|-----|-----|------|------------|--------------|-----|-------------|------------|--------------|-------------------------|
| | | | | SMIC | PRICE | | | | | | | | DAY CST | INC 14/28 | |
| 7R | H | 6605 | 010535554 | BV | \$6320 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5895 | 010535556 | EP | \$26990 | 0 | 6 | 1.5 | 3 | 0 | 0 | 3 | | | |
| 7R | E | 6115 | 010537272 | BP | \$6670 | 24 | 8 | 0 | 15 | 11 | 0 | 11 | | | |
| 7R | E | 5841 | 010541719 | TA | \$3530 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | 6605 | 010543776 | BV | \$97630 | 3 | 0 | 0 | 21 | 3 | 0 | 3 | | | |
| 1R | D | 1720 | 010549434 | SX | \$1220 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5855 | 010549639 | BP | \$31970 | 1 | 11 | 1.36 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 6610 | 010550468 | AZ | \$2530 | 12 | 0 | 0 | 12 | 5 | 0 | 5 | | | |
| 7R | E | 2815 | 010558946 | RX | \$5380 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | 4320 | 010561638 | LC | \$2060 | 3 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 1R | D | 4320 | 010564958 | SX | \$559 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5841 | 010568647 | LC | \$24570 | 0 | 4 | 7 | 4 | 0 | 1 | 1 | | | |
| 7R | E | 2840 | 010577834 | DQ | \$65990 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | 4810 | 010585300 | BP | \$3360 | 25 | 0 | 0 | 12 | 11 | 0 | 11 | | | |
| 7R | H | 6680 | 010585859 | LC | \$2100 | 4 | 2 | 1 | 1 | 1 | 0 | 1 | 1/2 | 0/1 | 0/2100 |
| 7R | H | 6130 | 010592630 | BP | \$36980 | 0 | 10 | 2.6 | 1 | 0 | 1 | 1 | | | |
| 1R | D | 5895 | 010592992 | AZ | \$1420 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 5845 | 010593422 | BP | \$13710 | 0 | 12 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 5821 | 010597110 | FP | \$115050 | 1 | 14 | 2.35 | 3 | 0 | 1 | 1 | | | |
| 7R | E | 2995 | 010604443 | LC | \$3760 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | | | |

| COG | M C | FSC | NIN | UNIT | | BCM | RPR | TAT | OLD RMT | ATTR POOL | RPT | RECH RMT | 14/28 | | UP X |
|-----|--------|------|-----------|------|---------|-----|-----|------|------------|--------------|-----|-------------|-------|-----|---------|
| | | | | SMIC | PRICE | | | | | | | | DAY | INC | |
| 7R | H | 5895 | 010605016 | BP | \$2240 | 0 | 6 | 48 | 1 | 0 | 2 | 2 | | | |
| 7R | E | 2995 | 010605087 | LC | \$2850 | 5 | 0 | 0 | 3 | 2 | 0 | 2 | | | |
| 7R | H | 6680 | 010605228 | LC | \$2170 | 1 | 6 | 1.16 | 1 | 1 | 0 | 1 | | | |
| 7R | H | 6605 | 010609252 | FP | \$35040 | 0 | 8 | 1.25 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 6605 | 010609510 | FP | \$25100 | 1 | 14 | 3.42 | 2 | 0 | 2 | 2 | | | |
| 7R | H | 2840 | 010615080 | SN | \$1250 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | | | |
| 7R | E | 5821 | 010621019 | FZ | \$6080 | 1 | 12 | 4.66 | 2 | 0 | 2 | 2 | | | |
| 7R | E | 6615 | 010621688 | FP | \$2160 | 2 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 7R | E | 6620 | 010639054 | BP | \$2060 | 8 | 38 | 5.76 | 28 | 6 | 3 | 9 | | 3/3 | 0/0 |
| 7R | H | 5835 | 010652733 | FP | \$4580 | 0 | 2 | 3.5 | 1 | 0 | 0 | 0 | | | |
| 1R | D | 6605 | 010653737 | FP | \$3180 | 0 | 6 | 4.83 | 1 | 0 | 1 | 1 | | | |
| 7R | H | 1620 | 010654867 | LC | \$5640 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | 5895 | 010657180 | FP | \$73640 | 0 | 15 | 7.6 | 3 | 0 | 2 | 2 | | | |
| 1R | D | 5835 | 010658612 | FP | \$1130 | 0 | 1 | 7 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 7050 | 010683297 | BP | \$4510 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | | | |
| 1R | D | 7025 | 010685389 | BP | \$2900 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | 5841 | 010687751 | CS | \$5480 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | 5815 | 010688744 | BP | \$6880 | 1 | 1 | 20 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5895 | 010689101 | BP | \$7620 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5845 | 010693901 | BP | \$4680 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |

| COG | C | M | FSC | MIIN | SMIC | UNIT PRICE | BCN | RPR | TMT | OLD RQMT | ATTR POOL | RFP | RECH RQMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|------------|-----|-----|------|----------|-----------|-----|-----------|-------|-------|-------|
| | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | | OST | 14/28 | 14/28 |
| 7R | E | | 5845 | 010693904 | BP | \$870 | 0 | 2 | 6.5 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5845 | 010693905 | BP | \$682 | 0 | 6 | 7.33 | 3 | 0 | 1 | 1 | | | |
| 7R | H | | 5845 | 010693906 | BP | \$1150 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 010693909 | BP | \$1040 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 010693928 | BP | \$1050 | 0 | 2 | 10.5 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5845 | 010693965 | BP | \$1840 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 5841 | 010695547 | WZ | \$1560 | 5 | 0 | 0 | 0 | 2 | 0 | 2 | | | |
| 7R | E | | 5841 | 010695574 | WZ | \$1580 | 9 | 0 | 0 | 2 | 4 | 0 | 4 | | | |
| 7R | H | | 4920 | 010695595 | BP | \$21230 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | | | |
| 7R | E | | 1680 | 010701508 | FP | \$13660 | 1 | 0 | 0 | 4 | 1 | 0 | 1 | | | |
| 7R | E | | 5841 | 010701555 | BP | \$4060 | 0 | 20 | 2.8 | 3 | 0 | 2 | 2 | | | |
| 7R | H | | 5845 | 010701558 | BP | \$853 | 0 | 2 | 4.5 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 2925 | 010726709 | DQ | \$2020 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | | | |
| 7R | H | | 4920 | 010726876 | BP | \$4650 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | |
| 7R | E | | 5960 | 010727118 | CS | \$7400 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 5835 | 010727693 | FP | \$9540 | 1 | 1 | 1 | 2 | 0 | 0 | 0 | | | |
| 1R | D | | 6605 | 010732660 | FP | \$1740 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 010734476 | BP | \$32800 | 0 | 3 | 1.33 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 6680 | 010737582 | LC | \$647 | 3 | 4 | 1 | 0 | 1 | 0 | 1 | | | |
| 1R | D | | 4220 | 010743408 | LX | \$1060 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | | | |

| M C | COG | C | FSC | NTIN | UNIT | SMIC | PRICE | BCH | RPR | TAT | OLD RQMT | ATTR POOL | RP | RECH RQMT | 14/28 | | UP X |
|--------|-----|---|------|-----------|------|---------|-------|-----|------|-----|-------------|--------------|----|--------------|-------|-------|----------|
| | | | | | | | | | | | | | | | DAY | INC | |
| | | | | | | | | | | | | | | | | 14/28 | 14/28 |
| 7R | E | | 5841 | 010802881 | WZ | \$1130 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | H | | 5821 | 010814919 | BP | \$12220 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5855 | 010817832 | BP | \$10030 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 6130 | 010817835 | UZ | \$843 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 6340 | 010818014 | BP | \$6590 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | | | |
| 7R | E | | 6605 | 010818015 | BP | \$5330 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6605 | 010818016 | BP | \$1670 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | E | | 5826 | 010821434 | TZ | \$2380 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | | 6340 | 010827188 | FP | \$2680 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5841 | 010827950 | WZ | \$2120 | 1 | 2 | 3.5 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | E | | 5841 | 010827951 | WZ | \$2580 | 20 | 6 | .66 | 1 | 9 | 0 | 0 | 9 | | 0/0 | 0/0 |
| 1R | D | | 1670 | 010831397 | LX | \$310 | 19 | 3 | 4.33 | 30 | 3 | 0 | 3 | 0 | | 7/7 | 930/1240 |
| 7R | E | | 5826 | 010831401 | KZ | \$12070 | 1 | 121 | 2.69 | 13 | 0 | 4 | 4 | | | 6/7 | |
| 1R | D | | 5895 | 010834608 | EP | \$2160 | 0 | 1 | 20 | 2 | 0 | 1 | 1 | 1 | | 3/4 | |
| 1R | D | | 1610 | 010850310 | BP | \$609 | 0 | 7 | 6.14 | 0 | 0 | 2 | 2 | 2 | | | |
| 7R | E | | 8120 | 010852733 | BP | \$152 | 26 | 0 | 0 | 1 | 9 | 0 | 9 | 0 | | | |
| 7R | E | | 4810 | 010857038 | BP | \$2000 | 2 | 3 | 6.66 | 1 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 6615 | 010861257 | GA | \$920 | 1 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 5815 | 010871513 | BP | \$1270 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | |
| 7R | E | | 5841 | 010874423 | WZ | \$4830 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | MIIN | SMIC | PRICE | BCM | RFR | TAT | OLD PQMT | ATTR POOL | RP | RECM PQMT | 14/28 | | UP | |
|-----|---|------|-----------|------|----------|-------|-----|--------|-----|-------------|--------------|----|--------------|-------|-------|-----|-------|
| | | | | | | | | | | | | | | DAY | INC | INC | 14/28 |
| | | | | | | | | | | | | | | CST | 14/28 | | 14/28 |
| 7R | E | 5841 | 010876196 | WZ | \$8850 | 12 | 24 | 3.45 | 8 | 5 | 2 | 7 | 7 | 4/5 | 0/0 | 0/0 | |
| 7R | H | 5841 | 010883601 | ZW | \$837 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5841 | 010883812 | ZW | \$1060 | 1 | 1 | 14 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5815 | 010884771 | BP | \$970 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | 5841 | 010886359 | ZW | \$299 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5841 | 010886360 | ZW | \$315 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5841 | 010886363 | ZW | \$925 | 5 | 1 | 1 | 0 | 2 | 0 | 2 | 2 | | 0/0 | 0/0 | |
| 7R | H | 5841 | 010886364 | ZW | \$273 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | 5841 | 010890134 | CS | \$127230 | 1 | 5 | 1 | 7 | 0 | 0 | 2 | 2 | | | | |
| 7R | H | 5985 | 010890737 | ZW | \$19120 | 1 | 2 | 10 | 7 | 0 | 1 | 1 | 1 | | | | |
| 7R | H | 5841 | 010891022 | ZW | \$1590 | 0 | 1 | 10 | 4 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5841 | 010891064 | ZW | \$15300 | 1 | 10 | 4.2 | 5 | 0 | 2 | 2 | 2 | | | | |
| 1R | D | 5895 | 010893434 | EW | \$1400 | 0 | 2 | 14 | 2 | 0 | 1 | 1 | 1 | | | | |
| 7R | H | 5841 | 010903434 | ZW | \$14110 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | | |
| 1R | D | 4920 | 010915995 | TX | \$835 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5841 | 010918929 | ZW | \$25730 | 0 | 10 | 7.5 | 10 | 0 | 2 | 2 | 2 | | | | |
| 7R | H | 5845 | 010938912 | BP | \$8800 | 0 | 3 | 1.33 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 4920 | 010946407 | BP | \$31540 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | 5845 | 010952481 | BP | \$5420 | 0 | 6 | 4.66 | 0 | 0 | 1 | 1 | 1 | | | | |
| 7R | E | 5845 | 010952660 | BP | \$4280 | 0 | 3 | 11.331 | 0 | 1 | 1 | 1 | 1 | | | | |

| COG | C | M | FSC | NTIN | UNIT | | BCM | RPR | TAT | OLD | ATTR | | RPT | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-----|-----|------|-----|------|------|-----|------|-------|-----|-------|
| | | | | | SMIC | PRICE | | | | | POT | POOL | | | DAY | INC | |
| 7R | H | | 5915 | 010985524 | BP | \$5690 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | X |
| 1R | D | | 5965 | 011011852 | BP | \$756 | 0 | 4 | 2.75 | 1 | 0 | 0 | 0 | 0 | | | INC |
| 7R | H | | 2840 | 011016225 | SN | \$3800 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | | | 14/28 |
| 7R | E | | 1730 | 011018827 | SX | \$662 | 3 | 1 | 2 | 2 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 2840 | 011024200 | SN | \$1900 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5815 | 011026811 | BP | \$35420 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1660 | 011049387 | BP | \$1140 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 4920 | 011049388 | BP | \$873 | 1 | 1 | 15 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1660 | 011049389 | BP | \$1350 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5821 | 011049499 | FP | \$7970 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5821 | 011049593 | FP | \$32440 | 0 | 5 | 4.8 | 0 | 0 | 0 | 1 | 1 | | | |
| 7R | H | | 5841 | 011078310 | ZW | \$278 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | |
| 7R | H | | 5865 | 011108989 | EW | \$17920 | 1 | 8 | 1.5 | 14 | 0 | 0 | 0 | 4 | | | |
| 7R | H | | 5865 | 011108990 | EW | \$23270 | 1 | 1 | 1 | 11 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5865 | 011108991 | EW | \$18650 | 1 | 1 | 1 | 11 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5865 | 011108992 | EW | \$18370 | 0 | 1 | 0 | 12 | 0 | 0 | 0 | 2 | | | |
| 7R | H | | 5865 | 011108993 | EW | \$17120 | 1 | 5 | 4 | 14 | 0 | 1 | 1 | 1 | | | |
| 7R | H | | 5865 | 011122721 | EW | \$18710 | 1 | 8 | 1.25 | 12 | 0 | 0 | 0 | 1 | | | |
| 7R | H | | 5845 | 011133179 | BP | \$8980 | 0 | 2 | 10.5 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5845 | 011133365 | BP | \$3220 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | |

| COG | C | M | FSC | NIIN | UNIT | SMIC | PRICE | BCN | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | DAY | OST | INC | 14/28 | INC | 14/28 | UP |
|-----|---|---|------|-----------|------|---------|-------|-----|------|-----|-----|------|------|----|------|-------|-------|-----|-----|-------|-----------|-------|----|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7R | H | | 6130 | 011133413 | BP | \$4180 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 7R | E | | 2915 | 011148652 | BP | \$3850 | 25 | 3 | .66 | 11 | 11 | 0 | 11 | 0 | 11 | | 8/9 | 0/0 | 0/0 | | | | |
| 7R | E | | 1630 | 011151715 | BP | \$2400 | 2 | 183 | 2.36 | 23 | 23 | 0 | 5 | 5 | 5 | | | | | | | | |
| 7R | H | | 5821 | 011166968 | FZ | \$2190 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | | | | | | |
| 7R | E | | 1430 | 011168628 | CY | \$12700 | 4 | 0 | 0 | 0 | 10 | 2 | 0 | 24 | 24 | | | | | | | | |
| 7R | H | | 2815 | 011177102 | BP | \$2710 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | | | | | | | | |
| 7R | H | | 5865 | 011204690 | EP | \$9460 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 2 | 2 | | | | | | | | |
| 7R | H | | 5865 | 011204692 | EP | \$6930 | 0 | 3 | 2 | 4 | 0 | 0 | 1 | 1 | 1 | | | | | | | | |
| 7R | H | | 5865 | 011204693 | EP | \$6930 | 0 | 2 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | | | | | | | | |
| 7R | H | | 5865 | 011204809 | EP | \$5770 | 0 | 4 | 1.25 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| 7R | H | | 5865 | 011204810 | EP | \$17310 | 0 | 51 | 1.62 | 6 | 0 | 2 | 2 | 2 | 2 | | | | | | | | |
| 7R | H | | 5865 | 011204820 | EW | \$1740 | 2 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | | | | | | | | |
| 7R | H | | 5865 | 011204875 | EP | \$692 | 0 | 1 | 6 | 1 | 1 | 0 | 0 | 1 | 1 | | | | | | | | |
| 1R | D | | 4220 | 011204894 | LX | \$255 | 40 | 174 | 3.52 | 10 | 10 | 7 | 4 | 4 | 11 | | 13/14 | 6/7 | | | 1530/1785 | | |
| 7R | H | | 5865 | 011205698 | EW | \$39300 | 0 | 43 | 2.09 | 13 | 0 | 2 | 3 | 2 | 3 | | | | | | | | |
| 7R | H | | 5841 | 011207178 | EP | \$34610 | 1 | 18 | 2.88 | 8 | 0 | 2 | 4 | 2 | 4 | | | | | | | | |
| 7R | E | | 5841 | 011211926 | EP | \$7790 | 1 | 25 | 2.36 | 8 | 0 | 2 | 2 | 2 | 2 | | | | | | | | |
| 7R | H | | 5865 | 011212974 | EW | \$2480 | 25 | 0 | 0 | 8 | 12 | 0 | 12 | 0 | 12 | | | | | | | | |
| 7R | H | | 5865 | 011214407 | EP | \$6930 | 0 | 4 | 1.25 | 1 | 0 | 0 | 0 | 0 | 1 | | | | | | | | |
| 7R | H | | 5865 | 011214408 | EP | \$6930 | 0 | 3 | 6 | 1 | 1 | 0 | 0 | 0 | 1 | | | | | | | | |

| COG | C | M | FSC | NIN | UNIT | SMIC | PRICE | BCM | RPR | TMT | OLD | RMT | ATTR | POOL | RP | RECH | RMT | 14/28 | | UP |
|-----|---|---|------|-----------|------|---------|-------|-----|-----|------|-----|-----|------|------|----|------|-----|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | | | | | | | | OCT | 14/28 | 14/28 |
| 7R | H | | 5865 | 011214416 | EP | \$34610 | 0 | 3 | | .33 | 5 | | 0 | 0 | 0 | 1 | | | | |
| 7R | E | | 5865 | 011214509 | BA | \$35260 | 0 | 19 | | 1.1 | 10 | | 0 | 1 | 1 | 1 | | | | |
| 7R | H | | 6625 | 011214522 | EP | \$1270 | 4 | 0 | 0 | 4 | 4 | | 2 | 0 | 0 | 4 | | | | |
| 7R | H | | 6625 | 011214573 | EP | \$781 | 2 | 0 | 0 | 0 | 2 | | 2 | 0 | 0 | 2 | | | | |
| 7R | E | | 5865 | 011214602 | EP | \$17770 | 0 | 16 | | 2.93 | 9 | | 0 | 2 | 2 | 2 | | | | |
| 7R | H | | 6680 | 011217070 | LC | \$1960 | 3 | 2 | 1 | 1 | 1 | | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 6680 | 011217071 | LC | \$1160 | 2 | 2 | 4 | 0 | 1 | | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 1095 | 011224884 | BP | \$14780 | 0 | 1 | 1 | 1 | 0 | | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5865 | 011229350 | EW | \$9340 | 0 | 25 | | 1.48 | 13 | | 0 | 2 | 2 | 2 | | | | |
| 7R | H | | 6680 | 011232647 | LC | \$1800 | 1 | 0 | 0 | 1 | 1 | | 0 | 0 | 0 | 0 | | | | |
| 7R | H | | 5841 | 011247889 | EP | \$23070 | 0 | 3 | | 6.66 | 8 | | 0 | 1 | 4 | 4 | | | | |
| 7R | H | | 6625 | 011247939 | EP | \$1250 | 4 | 0 | 0 | 0 | 6 | | 2 | 0 | 0 | 5 | | | | |
| 7R | H | | 5845 | 011250047 | BP | \$5130 | 0 | 6 | 6 | 0 | 0 | | 0 | 1 | 1 | 1 | | | | |
| 7R | H | | 2520 | 011258170 | SK | \$1520 | 1 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | | | | |
| 7R | E | | 1680 | 011276178 | CS | \$51250 | 5 | 0 | 0 | 0 | 0 | | 1 | 0 | 1 | 1 | | | | |
| 7R | H | | 5865 | 011285335 | EP | \$19650 | 0 | 23 | | 2.6 | 9 | | 0 | 2 | 2 | 2 | | | | |
| 7R | H | | 5841 | 011301099 | EW | \$3860 | 7 | 2 | 3 | 10 | 4 | | 4 | 0 | 0 | 7 | | 2/3 | 0/0 | 0/0 |
| 7R | H | | 5841 | 011301385 | EW | \$1940 | 0 | 2 | 3.5 | 2 | 0 | | 0 | 0 | 0 | 2 | | | | |
| 7R | E | | 5841 | 011301392 | EW | \$35770 | 1 | 76 | | 2.72 | 21 | | 0 | 3 | 9 | 9 | | | | |
| 7R | H | | 6625 | 011301395 | EP | \$15560 | 0 | 40 | | 4.22 | 16 | | 0 | 3 | 4 | 4 | | | | |

| COG | C | FSC | NINW | SMIC | PRICE | BCM | RPR | TAT | OLD RMT | ATTR POOL | RPR | RECM RMT | 14/28 | | UP | |
|-----|---|------|-----------|------|----------|-----|-----|------|------------|--------------|-----|-------------|------------|-----|----------|-------|
| | | | | | | | | | | | | | DAY OST | INC | X INC | 14/28 |
| 7R | H | 5841 | 011311438 | EW | \$924 | 1 | 4 | 3 | 7 | 0 | 0 | 7 | | | | |
| 7R | H | 6130 | 011311440 | EW | \$1660 | 27 | 0 | 0 | 13 | 14 | 0 | 14 | | | | |
| 7R | H | 5865 | 011319190 | EP | \$61860 | 0 | 7 | 1.85 | 1 | 0 | 0 | 1 | | | | |
| 7R | H | 5865 | 011319191 | EP | \$74030 | 0 | 4 | 2 | 1 | 0 | 0 | 1 | | | | |
| 7R | H | 5865 | 011321315 | EP | \$74030 | 0 | 4 | 2.5 | 1 | 0 | 0 | 1 | | | | |
| 7R | E | 5865 | 011321316 | EP | \$74030 | 0 | 3 | 3 | 1 | 0 | 0 | 1 | | | | |
| 7R | H | 1650 | 011323641 | LC | \$15080 | 5 | 0 | 0 | 0 | 1 | 0 | 1 | | | | |
| 1R | D | 1670 | 011341380 | LX | \$103 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | 1670 | 011341381 | LX | \$103 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5865 | 011342327 | EP | \$74030 | 0 | 12 | .83 | 4 | 0 | 0 | 1 | | | | |
| 7R | H | 1650 | 011344415 | LC | \$11790 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | | | | |
| 7R | H | 5841 | 011351543 | EP | \$101010 | 2 | 7 | 3.85 | 6 | 1 | 1 | 2 | | | | |
| 7R | E | 2840 | 011353668 | SN | \$1100 | 1 | 0 | 0 | 5 | 0 | 0 | 5 | | | | |
| 7R | E | 2840 | 011358372 | PQ | \$3330 | 29 | 0 | 0 | 74 | 7 | 0 | 9 | | | | |
| 7R | E | 2840 | 011358960 | PQ | \$85840 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 1R | D | 5999 | 011359154 | FA | \$284 | 0 | 1 | 18 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | 6615 | 011365040 | FP | \$2880 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | | | | |
| 7R | H | 5831 | 011376217 | EP | \$1160 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | | | | |
| 7R | E | 6605 | 011380817 | TF | \$1920 | 2 | 0 | 0 | 6 | 1 | 0 | 1 | | | | |
| 1R | D | 6685 | 011388091 | PQ | \$890 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | | |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | POOL | RP | RECH | 14/28 | DAY | OCT | INC | 14/28 | INC | 14/28 | UP |
|-----|---|---|------|-----------|------|----------|-----|-----|------|-----|------|------|----|------|-------|-----|-----|-----|-------|-----|-------|----|
| | | | | | | | | | | | | | | | | | | | | | | |
| 7R | H | | 1560 | 011395595 | BP | \$133700 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 7R | E | | 6605 | 011395598 | FA | \$22490 | 6 | 0 | 0 | 11 | 3 | 0 | 0 | 3 | | | | | | | | |
| 7R | H | | 5821 | 011395807 | FP | \$3310 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | | | | | | | | |
| 7R | H | | 5821 | 011395809 | FP | \$2110 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | | | | | | | | |
| 7R | H | | 5841 | 011397372 | EP | \$3770 | 0 | 1 | 20 | 1 | 0 | 1 | 1 | 1 | | | | | | | | |
| 7R | H | | 5826 | 011397438 | FZ | \$645 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| 7R | H | | 5845 | 011403604 | BP | \$3540 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| 1R | D | | 5865 | 011412382 | EP | \$5590 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | | | | | | | | |
| 7R | E | | 5865 | 011419657 | BP | \$45360 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | | | | | |
| 7R | H | | 1610 | 011424521 | BP | \$3320 | 2 | 6 | 20 | 1 | 0 | 2 | 2 | 2 | | | | | | | | |
| 7R | E | | 4810 | 011428229 | BP | \$2620 | 0 | 11 | 3.27 | 13 | 0 | 1 | 1 | 1 | | | | | | | | |
| 7R | H | | 1610 | 011435531 | LC | \$2630 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| 7R | H | | 5865 | 011444313 | EP | \$26550 | 0 | 2 | .5 | 2 | 0 | 0 | 0 | 2 | | | | | | | | |
| 7R | H | | 5865 | 011444314 | EP | \$26550 | 0 | 1 | 1 | 7 | 0 | 0 | 0 | 6 | | | | | | | | |
| 7R | H | | 5865 | 011444317 | EP | \$26550 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 2 | | | | | | | | |
| 7R | H | | 5865 | 011444347 | EP | \$3320 | 0 | 1 | 13 | 5 | 0 | 0 | 0 | 4 | | | | | | | | |
| 7R | H | | 5841 | 011444358 | EP | \$5160 | 0 | 2 | 20 | 1 | 0 | 2 | 2 | 2 | | | | | | | | |
| 7R | E | | 6615 | 011452749 | BP | \$79440 | 1 | 67 | 2.17 | 7 | 0 | 2 | 2 | 2 | | | | | | | | |
| 7R | H | | 5845 | 011457022 | BP | \$6270 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| 7R | H | | 5895 | 011472929 | EP | \$7710 | 2 | 0 | 0 | 5 | 1 | 0 | 0 | 1 | | | | | | | | |

| COG | C | M | FSC | NIIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | RP | RECH | 14/28 | | UP |
|-----|---|---|------|-----------|------|------|---------|-----|-----|------|------|------|----|------|-------|------------|-------|
| | | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | RMNT | POOL | | RMNT | OST | 14/28 | INC |
| 7R | E | | 5826 | 011473098 | FZ | | \$1810 | 0 | 5 | 1 | 15 | 0 | 0 | 0 | | | 14/28 |
| 7R | H | | 5865 | 011486427 | BA | | \$7580 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | | | X |
| 7R | H | | 2840 | 011510836 | PQ | | \$16090 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | INC |
| 1R | D | | 5998 | 011520913 | TX | | \$499 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | 14/28 |
| 7R | H | | 4920 | 011520932 | DQ | | \$2130 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 4920 | 011520933 | DQ | | \$4460 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 4920 | 011520935 | DQ | | \$5460 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 4920 | 011520936 | DQ | | \$4750 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 4810 | 011525662 | BP | | \$2190 | 2 | 18 | 3.33 | 7 | 0 | 2 | 2 | | | |
| 7R | H | | 7021 | 011528263 | VK | | \$67000 | 0 | 12 | .66 | 1 | 0 | 0 | 2 | | | |
| 7R | H | | 5845 | 011542954 | BP | | \$5410 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 011547517 | EP | | \$5150 | 1 | 1 | 0 | 5 | 0 | 0 | 0 | | | |
| 7R | H | | 5815 | 011547572 | BP | | \$46870 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 6130 | 011552671 | EW | | \$16590 | 0 | 2 | 1 | 11 | 0 | 0 | 0 | | | |
| 7R | H | | 4920 | 011553059 | DQ | | \$4750 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | | | |
| 7R | E | | 5815 | 011560888 | BP | | \$3740 | 5 | 0 | 0 | 1 | 2 | 0 | 2 | | | |
| 7R | E | | 5815 | 011561131 | BP | | \$1300 | 1 | 1 | 1 | 2 | 1 | 0 | 1 | | | |
| 7R | E | | 5815 | 011561279 | BP | | \$1810 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | | | |
| 7R | H | | 5865 | 011569356 | FP | | \$2450 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | | 5820 | 011586082 | EX | | \$889 | 69 | 118 | 2.74 | 38 | 12 | 3 | 48 | | 22/24 | 10/12 |
| | | | | | | | | | | | | | | | | 8890/10668 | |

| COG | C | M | FSC | NIIN | SMIC | PRICE | BCH | RPR | TNT | OLD | ATTR | POOL | RP | RECH | FOHT | 14/28 | | UP | |
|-----|---|---|------|-----------|------|---------|-----|-----|------|-----|------|------|----|------|------|-------|-----|-------|-----------|
| | | | | | | | | | | | | | | | | DAY | CST | INC | INC |
| | | | | | | | | | | | | | | | | | | 14/28 | 14/28 |
| 7R | E | | 1660 | 011590078 | BP | \$7500 | 4 | 0 | 0 | 8 | 2 | 0 | 0 | 2 | | | | | |
| 7R | H | | 5821 | 011618557 | FP | \$994 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | | | | |
| 7R | H | | 5821 | 011618559 | FP | \$939 | 0 | 6 | 4.5 | 1 | 0 | 1 | 1 | 1 | | | | | |
| 7R | E | | 5985 | 011644199 | EP | \$13030 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | | 5895 | 011644200 | BP | \$34490 | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | | | | | |
| 7R | H | | 5963 | 011663450 | FP | \$2110 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | | | |
| 7R | E | | 5841 | 011665018 | LC | \$5410 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | | 1610 | 011669359 | LC | \$4010 | 3 | 4 | 4.75 | 1 | 1 | 0 | 1 | 1 | | | | | |
| 7R | H | | 2915 | 011713486 | RX | \$2840 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | H | | 5963 | 011723711 | FP | \$3690 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | | | |
| 7R | H | | 1650 | 011729446 | CS | \$3360 | 1 | 5 | 8.6 | 0 | 0 | 1 | 1 | 1 | | | | | |
| 7R | H | | 5895 | 011746993 | FP | \$14740 | 3 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | | | |
| 1R | D | | 6220 | 011758840 | BA | \$188 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | | | |
| 1R | D | | 2920 | 011758904 | RX | \$1920 | 1 | 2 | 3.5 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 7R | H | | 5841 | 011759090 | EW | \$2450 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | | 6685 | 011763649 | BP | \$1480 | 2 | 122 | 4.22 | 25 | 0 | 5 | 5 | 5 | | | | | |
| 7R | H | | 5821 | 011763693 | EW | \$5970 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | | | | | |
| 7R | E | | 4310 | 011779505 | BP | \$12250 | 2 | 0 | 0 | 3 | 1 | 0 | 1 | 1 | | | | | |
| 7R | H | | 6105 | 011783290 | EP | \$8680 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | | | | | |
| 7R | E | | 1660 | 011794064 | FZ | \$2330 | 11 | 34 | 4.85 | 10 | 2 | 2 | 2 | 4 | | | 4/4 | 2/2 | 4660/4660 |

| M C COG | C | FSC | NIN | UNIT | | BCM | RPR | TAT | OLD | | ATTR | | RPT | RECH | 14/28 | | UP X INC 14/28 |
|---------------|---|------|-----------|------|----------|-----|-----|-------|-----|------|------|-----|-----|------|-------|-----|-------------------------|
| | | | | SMIC | PRICE | | | | RMT | POOL | DAY | OST | | | | | |
| 1R | D | 1680 | 011811374 | BP | \$2470 | 1 | 16 | 6.31 | 8 | 0 | 0 | 2 | 2 | | | | |
| 1R | D | 1680 | 011813218 | BP | \$2620 | 5 | 10 | 9.8 | 14 | 3 | 2 | 2 | 5 | | 2/2 | 0/0 | 0/0 |
| 1R | D | 2920 | 011820366 | SX | \$723 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | 4320 | 011842399 | DQ | \$1640 | 1 | 4 | 16.75 | 7 | 0 | 1 | 1 | 1 | | | | |
| 7R | H | 2915 | 011851847 | LC | \$2990 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | 5826 | 011884128 | FZ | \$1850 | 1 | 6 | 9 | 5 | 0 | 2 | 2 | 2 | | | | |
| 7R | H | 5831 | 011907804 | BP | \$11570 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | 2835 | 011917057 | SX | \$140230 | 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | 5895 | 011926486 | EP | \$17690 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | 2840 | 011932157 | DQ | \$8160 | 4 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | 6625 | 011933814 | BA | \$17690 | 0 | 2 | 1 | 5 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5985 | 011987695 | EW | \$101880 | 0 | 7 | 5.85 | 6 | 0 | 2 | 2 | 2 | | | | |
| 7R | H | 5985 | 011987729 | EW | \$3560 | 0 | 1 | 20 | 2 | 0 | 1 | 1 | 1 | | | | |
| 7R | H | 5985 | 011987731 | EW | \$4060 | 0 | 1 | 20 | 2 | 0 | 1 | 1 | 1 | | | | |
| 7R | H | 6130 | 011987742 | EW | \$31180 | 0 | 5 | 4.2 | 6 | 0 | 1 | 1 | 1 | | | | |
| 7R | H | 5865 | 011994672 | BA | \$7440 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | | | | |
| 7R | E | 2840 | 012014961 | PQ | \$184410 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | | | | |
| 7R | H | 5836 | 012015734 | ZW | \$54410 | 2 | 3 | 2.66 | 4 | 1 | 0 | 1 | 1 | | | | |
| 7R | H | 5865 | 012016169 | ZW | \$23580 | 0 | 38 | 4.15 | 13 | 0 | 3 | 3 | 3 | | | | |
| 7R | H | 5985 | 012027790 | EW | \$2220 | 0 | 2 | 16.5 | 1 | 0 | 1 | 1 | 1 | | | | |

| COG | C | FSC | NIIIN | SMIC | PRICE | BCM | RPR | TMT | OLD RQMT | ATTR POOL | RPR | RECH RQMT | 14/28 | | UP X INC |
|-----|---|------|-----------|------|---------|-----|-----|------|-------------|--------------|-----|--------------|-------|-----|----------------|
| | | | | | | | | | | | | | DAY | OST | |
| 7R | H | 5895 | 012027868 | EW | \$35660 | 0 | 28 | 1.71 | 4 | 0 | 2 | 2 | | | |
| 7R | E | 5895 | 012033465 | AZ | \$409 | 2 | 8 | 15 | 1 | 0 | 2 | 2 | | | |
| 7R | H | 5895 | 012045640 | BA | \$50940 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | | | |
| 7R | H | 5836 | 012056794 | 2W | \$8300 | 0 | 1 | 5 | 4 | 0 | 0 | 0 | | | |
| 7R | E | 2840 | 012061947 | SN | \$76560 | 1 | 0 | 0 | 1 | 0 | 0 | 4 | | | |
| 7R | H | 5836 | 012072035 | 2W | \$1200 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | | | |
| 7R | H | 5845 | 012087861 | BP | \$6380 | 0 | 3 | .66 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 2935 | 012135778 | CS | \$3040 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 6610 | 012145359 | LC | \$2390 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 2840 | 012160445 | SN | \$1560 | 2 | 0 | 0 | 2 | 1 | 0 | 4 | | | |
| 7R | E | 2995 | 012163817 | SN | \$13020 | 2 | 0 | 0 | 7 | 0 | 0 | 4 | | | |
| 7R | E | 2840 | 012185553 | TN | \$6730 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | | | |
| 7R | E | 5895 | 012185561 | FP | \$3160 | 0 | 4 | 10.5 | 0 | 0 | 2 | 2 | | | |
| 7R | E | 5895 | 012185562 | FP | \$3170 | 3 | 5 | 10.2 | 0 | 3 | 2 | 5 | | | |
| 7R | E | 5895 | 012185565 | FP | \$2220 | 0 | 2 | 2.5 | 0 | 0 | 0 | 0 | | | |
| 7R | E | 5895 | 012185676 | FP | \$936 | 0 | 1 | 19 | 0 | 0 | 0 | 0 | | | |
| 7R | H | 5895 | 012185677 | FP | \$648 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | | | |
| 7R | E | 5831 | 012187337 | BA | \$4730 | 1 | 1 | 0 | 4 | 0 | 0 | 0 | | | |
| 7R | H | 5831 | 012187338 | BA | \$4730 | 3 | 1 | 1 | 3 | 1 | 0 | 1 | | | |
| 7R | H | 5831 | 012188557 | BA | \$4730 | 1 | 1 | 1 | 3 | 0 | 0 | 0 | | | |

| M C | COG | C | FSC | NTIN | SMIC | PRICE | BCM | RPR | TAT | OLD RQMT | MTR POOL | RFP | RECH RQMT | 14/28 | | UP X | |
|--------|-----|------|-----------|------|----------|-------|-----|-----|-----|-------------|-------------|-----|--------------|-------|-------|---------|-------|
| | | | | | | | | | | | | | | DAY | CST | INC | 14/28 |
| 7R | H | 5831 | 012191095 | BA | \$4730 | 4 | 0 | 0 | 0 | 3 | 2 | 0 | 2 | | | | |
| 7R | H | 5831 | 012195744 | BA | \$4730 | 4 | 1 | 0 | 0 | 4 | 2 | 0 | 2 | | | | |
| 7R | H | 6610 | 012200372 | LC | \$7320 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5831 | 012225582 | BA | \$4730 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | | | | |
| 7R | E | 7050 | 012241626 | FP | \$4470 | 0 | 1 | 20 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 7021 | 012241976 | VK | \$7340 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | | | | |
| 7R | H | 2840 | 012242159 | DQ | \$6660 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | | | | |
| 7R | H | 4810 | 012254557 | BP | \$786 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 7021 | 012255562 | VK | \$126200 | 0 | 12 | .33 | 3 | 0 | 0 | 0 | 3 | | | | |
| 7R | E | 5841 | 012266604 | P2 | \$5200 | 2 | 3 | 13 | 1 | 0 | 0 | 1 | 1 | | | | |
| 7R | E | 6620 | 012300197 | P2 | \$1090 | 31 | 13 | .07 | 3 | 14 | 0 | 0 | 14 | | 10/11 | 0/0 | |
| 7R | E | 2995 | 012374089 | TN | \$20880 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5826 | 012377850 | TX | \$2590 | 0 | 1 | 16 | 0 | 0 | 0 | 0 | 1 | | | | |
| 7R | H | 6605 | 012405432 | FA | \$14740 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5845 | 012421500 | BP | \$17560 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 5865 | 012429765 | FP | \$2950 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 7R | H | 1650 | 012455935 | BP | \$3950 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | | |
| 7R | E | 2840 | 012458176 | PQ | \$4510 | 12 | 0 | 0 | 0 | 28 | 3 | 0 | 28 | | | | |
| 7R | E | 2840 | 012458177 | PQ | \$3890 | 4 | 0 | 0 | 0 | 4 | 1 | 0 | 1 | | | | |
| 7R | E | 2840 | 012458178 | PQ | \$3810 | 3 | 0 | 0 | 0 | 4 | 1 | 0 | 15 | | | | |

| COG | C | M | FSC | NTIN | UNIT | SMIC | PRICE | BCM | RPR | TAT | OLD | ATTR | POOL | RP | RECM | 14/28 | | UP |
|-----|---|---|------|-----------|------|----------|-------|-----|-----|------|-----|------|------|----|------|-------|-------|-------|
| | | | | | | | | | | | | | | | | DAY | INC | X |
| | | | | | | | | | | | QMT | | | | QMT | CST | 14/28 | 14/28 |
| 7R | E | | 5821 | 012489235 | EE | \$58670 | | 0 | 10 | 12 | 21 | 0 | 0 | 2 | 2 | | | |
| 7R | E | | 1680 | 012539642 | BP | \$4920 | | 2 | 2 | 18 | 3 | 0 | 0 | 1 | 1 | | | |
| 7R | E | | 6620 | 012569703 | UX | \$796 | | 7 | 0 | 0 | 5 | 2 | 0 | 0 | 2 | | | |
| 7R | E | | 5841 | 012571966 | CS | \$142450 | | 1 | 12 | 2.91 | 13 | 0 | 0 | 2 | 2 | | | |
| 7R | H | | 5865 | 012596844 | BA | \$5790 | | 1 | 8 | 5.5 | 5 | 0 | 0 | 2 | 2 | | | |
| 7R | H | | 5865 | 012653582 | BA | \$3000 | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1R | D | | 5999 | 012660986 | FP | \$242 | | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5865 | 012673201 | EP | \$6540 | | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 1610 | 012688008 | LC | \$4720 | | 0 | 3 | 7.33 | 1 | 0 | 0 | 1 | 1 | | | |
| 7R | H | | 5985 | 012691260 | BP | \$71430 | | 1 | 1 | 18 | 1 | 1 | 0 | 0 | 1 | | | |
| 7R | H | | 5955 | 012732554 | EP | \$2920 | | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | | | |
| 7R | H | | 5841 | 012755624 | EP | \$5810 | | 1 | 13 | 1.53 | 0 | 0 | 0 | 1 | 1 | | | |
| 1R | D | | 5999 | 012773581 | FP | \$1330 | | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | | | |
| 7R | H | | 5895 | 012847758 | CS | \$6820 | | 3 | 0 | 0 | 2 | 2 | 0 | 0 | 4 | | | |
| 7R | E | | 4310 | 012960634 | BP | \$32890 | | 22 | 0 | 0 | - | - | - | - | - | | | |
| 7R | H | | 2915 | 012963813 | DQ | \$10220 | | 12 | 0 | 0 | 4 | 4 | 0 | 0 | 4 | | | |

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